

Leading Telecom Power Solutions



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Version: 202412
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The benefits of Megmeet power systems



Higher availability

Megmeet's power systems provide an ultra-wide range of telecom power supplies, and the maximum power supply is up to 3000 A. Our power systems are compatible with the rectifiers of 2kW/3kW/4kW 48V. One slot is fitted with rectifiers with different efficiency. The system can also be applied as a hybrid power solution by integrating rectifiers, MPPT(solar) modules, DC-AC inverters, and DC-DC modules.



Higher adjustability

We provide sub-racks with the height from 1U to 23U and the width from 19" to 23". We also offer customized services according to the demands of the operators, to meet the installation requirements of various environments of the power systems.



Wider applications

Megmeet provides telecommunication power products and solutions that work in different scenarios. Designed for outdoor use, we have a 2kW/ 3kW/ 6kW IP65 power supply and a 50AH IP65 battery for 5G outdoor systems.



Better customized services

We offer customized solutions for our customers that shall require a specific system capacity, sub-rack size, or a designated breaker brand. The systems can be applied for the approval of CE, UL, IEC, and other certifications according to customers' needs.

IPU43K4-B3A21 1U/60A

Rectifier Subrack

IPU43K4-B3A21 is a 19-inch sub-rack power system produced by Megmeet, with 1U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 60A, with AC/battery/load terminals. The AC input and DC output cables are front accessing with terminals.



Key Features

- Utilizes 2 x MR4830N rectifiers(1.7kW n+1 redundant)
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Efficiency up to 93% for lower operating cost
 - Pre-configured for small cell applications

AC Distribution		DC Distribution	
Input Mode	220VAC single-phase	Output Voltage	-42 to -58VDC, rated value: -53.5VDC
Input Capacity	30A/2P x 1 terminal	Battery Breakers	65A/2P x 1 terminal
Input Frequency	45 to 66Hz, rated value: 50Hz/60Hz	Load Breakers	Blvd: 65A/2P x 3 terminals
Rectifier		Controller	
Input Voltage	85 to 290VAC, rated 220VAC	Signal Input	3 AI(2 Battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 93%	Alarm Output	6 dry contact
Rated Power	1740W(176 to 290VAC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 45℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +45℃
Cabling Mode	Front inlet and rear outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU45K1-B3A32 2U/90A

Rectifier Subrack

IPU45K1-B3A32 is a 19-inch sub-rack power system produced by Megmeet, with 2U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 90A, with AC /battery/load terminals. The cables are rear accessing with terminals.



Key Features

- Utilizes 3 x MR4830N rectifiers(3.4kW n+1 redundant)
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Efficiency up to 93% for lower operating cost
 - Pre-configured for small cell applications

AC Distribution		DC Distribution	
Input Mode	220VAC single-phase	Output Voltage	-42 to -58VDC, rated value: -53.5VDC
Input Capacity	40A/2P x 1	Battery Breakers	63A/1P x 1
Input Frequency	45 to 66Hz, rated value: 50Hz/60Hz	Load Breakers	Blvd: 10A/1P x 2 + 16A/1P x 2+20A/1P x 2 + 40A/1P x 1
Rectifier		Controller	
Input Voltage	85 to 290VAC, rated 220VAC	Signal Input	2AI(1 battery temp., 1 ambient temp., V1), 8 DI
Efficiency	> 93%	Alarm Output	2 dry contact
Rated Power	1740W(176 to 290VAC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 45℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃~+45℃
Cabling Mode	Rear inlet and rear outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

M45D65B 5U/300A

Rectifier Subrack

M45D65B is a 19-inch sub-rack power system produced by Megmeet, with 5U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 300A, with AC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Upgradable for MR484000 rectifiers(20kW n+1 redundant)
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 97% for lower operating cost
 - Utilizes 6 x MR483000 rectifiers(15kW n+1 redundant)

AC Distribution		DC Distribution	
Input Mode	380VAC three-phase	Output Voltage	-42 to -58VDC, rated value: -53.5VDC
Input Capacity	63A/4P×1	Battery Breakers	125A/1P x 2
Input Frequency	45 to 66Hz, rated value: 50Hz/60Hz	Load Breakers	LLvd: 32A/1P x 2 + 40A/1P x 2 + 63A/1P x 3 Blvd: 6A/1P x 2 + 10A/1P x 2 + 16A/1P x 2
SPD	20kA/40kA, 8/20μs	SPD	10kA/20kA, 8/20μs
Rectifier		Controller	
Input Voltage	85 to 290VAC, rated 220VAC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 96%	Alarm Output	6 dry contact
Rated Power	3000W(176 to 290VAC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Fan cooling	Operating Temperature	-10℃ to +55℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU427K-A5D96 6U/450A

Rectifier Subrack

IPU427K-A5D96 is a 19-inch sub-rack power system produced by Megmeet, with 6U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 450A, with load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Upgradable for MR484000 rectifiers(32kW n+1 redundant)
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 97% for lower operating cost
 - Utilizes 9 x MR483000 rectifiers(24kW n+1 redundant)

AC Distribution		DC Distribution	
Input Mode	380VAC three-phase	Output Voltage	-42 to -58VDC, rated value: -53.5VDC
Input Capacity	63A	Load Breakers	LLvd1: 63A/1P x 8; LLvd2: 63A/1P x 8 Blvd: 63A/1P x 8 No circuit breaker by default, user self configuration
Input Frequency	45 to 66Hz, rated value: 50Hz/60Hz	SPD	10kA/20kA, 8/20μs
Rectifier		Controller	
Input Voltage	85 to 290VAC, rated 220VAC	Altitude	3AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 96%	Signal Input	6 dry contact
Rated Power	3000W(176 to 290VAC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +55℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU436K-C5D1210 10U/600A Rectifier Subrack

IPU436K-C5D1210 is a 19-inch sub-rack power system produced by Megmeet, with 10U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 600A, with AC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Upgradable for MR484000 rectifiers(44kW n+1 redundant)
- Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 97% for lower operating cost
- Utilizes 12 x MR483000 rectifiers(33kW n+1 redundant)

AC Distribution		DC Distribution	
Input Mode	380VAC three-phase	Output Voltage	-42 to -58VDC, rated value: -53.5VDC
Input Capacity	125A/4P x 1	Battery Breakers	250A/1P x 3(125A/3P x 3)
Input Frequency	45 to 66Hz, rated value: 50Hz/60Hz	Load Breakers	LLvd: 125A/1P x 2, 25A/1P x 1, 1 spare pos BLvd: 125A/1P x 2, 6A/1P x 2
SPD	20kA/40kA, 8/20μs	SPD	10kA/20kA, 8/20μs
Rectifier		Controller	
Input Voltage	85 to 290VAC, rated 220VAC	Signal Input	4AI(2 battery temp., 1 ambient temp., oil), 1RS485, 7 DI
Efficiency	> 96%	Alarm Output	7 dry contact
Rated Power	3000W(176 to 290VAC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +55℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU412K-AS145 5U/200A Solar Subrack

IPU412K-AS145 is a 19-inch sub-rack pure solar module power system produced by Megmeet, with 5U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 200A with DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 120 to 425VDC for MPPT
- Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 96% for lower operating cost
- Utilizes 4 x MS483000HG solar module(9kW n+1 redundant)

Input Distribution		Output Distribution	
Input Mode	120VDC to 425VDC	Output Voltage	-42 to -58VDC, rated value: -54.5VDC
Input Capacity	63A/2P x 4	Battery Breakers	125A/1P x 2
Input Frequency	/	Load Breakers	LLvd: 32A/1P x 1 + 63A/1P x 2 BLvd: 16A/1P x 2
SPD	20kA/40kA, 8/20μs	SPD	10kA/20kA, 8/20μs
Solar Module		Controller	
Input Voltage	120 to 425VDC, rated 340VDC	Signal Input	3AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 96%	Alarm Output	6 dry contact
Rated Power	3000W(200 to 425VDC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +50℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU49K-AS135 5U/150A

Solar Subrack

IPU49K-AS135 is a 19-inch sub-rack for pure solar module power system produced by Megmeet, with 5U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 150A with DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 120 to 425VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 96% for lower operating cost
 - Utilizes 3 x MS483000HG solar module (6kW n+1 redundant)

Input Distribution		Output Distribution	
Input Mode	120VDC to 425VDC	Output Voltage	-42 to -58VDC, rated value: -54.5VDC
Input Capacity	63A/2P×3	Battery Breakers	125A/1P × 2
Input Frequency	/	Load Breakers	LLvd: 16A/1P × 1 + 10A/1P × 3 Blvd: 16A/1P × 1 + 10A/1P × 3
SPD	20kA/40kA, 8/20μs	SPD	10kA/20kA, 8/20μs
Solar Module		Controller	
Input Voltage	120 to 425VDC, rated 340VDC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 96%	Alarm Output	6 dry contact
Rated Power	3000W(200 to 425VDC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +50℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU49K-AS135A 5U/150A

Solar Subrack

IPU49K-AS135A is a 19-inch sub-rack for pure solar module power system produced by Megmeet, with 5U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 150A with DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 58 to 165VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 97% for lower operating cost
 - Utilizes 3 x MS483000SG1 solar module(6kW n+1 redundant)

Input Distribution		Output Distribution	
Input Mode	58VDC to 165VDC	Output Voltage	-42 to -58VDC, rated value: -54.5VDC
Input Capacity	63A/2P × 3	Battery Breakers	125A/2P × 1
Input Frequency	/	Load Breakers	LLvd: 32A/1P × 1 + 10A/1P × 3 Blvd: 32A/1P × 1 + 10A/1P × 3
SPD	20kA/40kA, 8/20μs	SPD	10kA/20kA, 8/20μs
Solar Module		Controller	
Input Voltage	58 to 165VDC, rated 100VDC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 97%	Alarm Output	6 dry contact
Rated Power	3000W(70 to 165VDC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +55℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU49K-AS135B 5U/150A

Solar Subrack

IPU49K-AS135B is a 19-inch sub-rack for pure solar module power system produced by Megmeet, with 5U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 150A with DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 120 to 425VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 96% for lower operating cost
 - Utilizes 3 x MS483000 solar mudule(9kW n+1 redundant)

Input Distribution		Output Distribution	
Input Mode	120VDC to 425VDC	Output Voltage	-42 to -58VDC, rated value: -54.5VDC
Input Capacity	63A/2Px3	Battery Breakers	125A/2P x 1
Input Frequency	/	Load Breakers	LLvd: 32A/1P x 1 + 10A/1P x 3 BLvd: 32A/1P x 1 + 10A/1P x 3
SPD	20kA/40kA, 8/20μs	SPD	10kA/20kA, 8/20μs
Solar Module		Controller	
Input Voltage	120 to 420VDC, rated 340VDC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Efficiency	> 96%	Alarm Output	6 dry contact
Rated Power	3000W(200 to 425VDC)	Communication Port	RS485, SNMP
Working Temperature	-10℃ to +75℃(fully output below 55℃)	Display Mode	LCD
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10℃ to +50℃
Cabling Mode	Top inlet and top outlet	Storage Temperature	-40℃ to +75℃
Maintenance Mode	Front maintenance	Operating Humidity	5% to 95%(non-condensing)
Protection Level	IP20	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPUM9K-A5D39A 9U/150A

Hybrid Subrack

IPUM9K-A5D39A is a 19-inch sub-rack for hybrid power system produced by Megmeet, with 9U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 150A, with AC input/DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 85 to 290VAC for rectifier and 120 to 425VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Rectifier, MPPT and controller are hot pluggable, easy and quick on-line maintenance
 - High efficiency up to 96% for lower operating cost

Input Distribution		Controller		
	AC	DC		
Input Mode	220VAC single-phase	120VDC to 425VDC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	/	Alarm Output	6 dry contact
Input Capacity	63A/2Px1	63A/2Px5	Communication Port	RS485, SNMP
SPD	20kA/40kA, 8/20μs		Display Mode	LCD
Output Distribution		System		
	Rectifier	Solar Module		
Output Voltage	-42 to -58VDC, rated value: -53.5VDC	-42 to -58VDC, rated value: -54.5VDC	Dimension(W x D x H)	482.6 x 350.6 x 9U, ≤30kg(without modules)
Battery Breakers	125A/2P		Cooling Mode	Natural cooling
Load Breakers	LLvd: 32A/1P x 1, 10A/1P x 5; BLvd: 32A/1P x 2, 10A/1P x 5		Maintenance Mode	Front maintenance, support module grade change
DC SPD	20kA/40kA, 8/20μs		Protection Level	IP20
Module		Environment		
	Rectifier Module	Solar Module		
Input Voltage	85 to 290VAC, rated 220VAC	120 to 425VDC, rated 340VDC	Operating Temperature	-10℃ to +50℃
Efficiency	> 96%	> 96%	Storage Temperature	-40℃ to +75℃
Rated Power	3000W(176 to 290VAC)	3000W(200 to 425VDC)	Operating Humidity	5% to 95%(non-condensing)
Working Temperature	-10℃ to +75℃(fully output below 55℃)	-10℃ to +75℃(fully output below 50℃)	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPUM24K-A5D88 8U/400A

Hybrid Subrack

IPUM24K-A5D88 is a 19-inch sub-rack for hybrid power system produced by Megmeet, with 8U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 400A, with AC input/DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 85 to 290VAC for rectifier and 120 to 425VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Rectifier, MPPT and controller are hot pluggable, easy and quick on-line maintenance
 - High efficiency up to 96% for lower operating cost

Input Distribution		Controller		
	AC	DC		
Input Mode	220VAC single-phase	120VDC to 425VDC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	/	Alarm Output	6 dry contact
Input Capacity	63A/4Px1	63A/2Px3	Communication Port	RS485, SNMP
SPD	20kA/40kA, 8/20μs		Display Mode	LCD
Output Distribution		System		
	Rectifier	Solar Module		
Output Voltage	-42 to -58VDC, rated value: -53.5VDC	-42 to -58VDC, rated value: -54.5VDC	Dimension(W x D x H)	482.6 x 350.6 x 8U, ≤30kg(without modules)
Battery Breakers	125A/1P x 6		Cooling Mode	Natural cooling
Load Breakers	LIvd: 125A/1P x 1, 63A/1P x 3; BIvd: 32A/1P x 3, 16A/1P x 3		Maintenance Mode	Front maintenance
DC SPD	10kA/20kA, 8/20μs		Protection Level	IP20
Module		Environment		
	Rectifier Module	Solar Module		
Input Voltage	85 to 290VAC, rated 220VAC	120 to 425VDC, rated 340VDC	Operating Temperature	-10°C to +50°C
Efficiency	> 96%	> 96%	Storage Temperature	-40°C to +75°C
Rated Power	3000W(176 to 290VAC)	3000W(200 to 425VAC)	Operating Humidity	5% to 95%(non-condensing)
Working Temperature	-10°C to +75°C(fully output below 55°C)	-10°C to +75°C(fully output below 50°C)	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPUM18K-BS168 8U/150A

Hybird Subrack

IPUM18K-BS168 is a 19-inch sub-rack for hybrid power system produced by Megmeet, with 8U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 300A, with AC input/DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 85 to 290VAC for rectifier and 120 to 425VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Rectifier, MPPT and controller are hot pluggable, easy and quick on-line maintenance
 - High efficiency up to 96% for lower operating cost

Input Distribution		Controller		
	AC	DC		
Input Mode	220VAC single-phase	120VDC to 425VDC	Signal Input	3 AI(2 battery temp., 1 ambient temp.), 2 RS485, 7 DI
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	/	Alarm Output	6 dry contact
Input Capacity	63A/2Px1	25A/2Px3	Communication Port	RS485, SNMP
SPD	20kA/40kA, 8/20μs		Display Mode	LCD
Output Distribution		System		
	Rectifier	Solar Module		
Output Voltage	-42 to -58VDC, rated value: -53.5VDC	-42 to -58VDC, rated value: -54.5VDC	Dimension(W x D x H)	482.6 x 350.6 x 8U, ≤30kg(without modules)
Battery Breakers	125A/1P x 4		Cooling Mode	Natural cooling
Load Breakers	LIvd: 125A/1P x 1, 63A/1P x 2, 32A/1P x 4, 25A/1P x 4 BIvd: 32A/1P x 2, 25A/1P x 2, 16A/1P x 2		Maintenance Mode	Front maintenance
DC SPD	10kA/20kA, 8/20μs		Protection Level	IP20
Module		Environment		
	Rectifier Module	Solar Module		
Input Voltage	85 to 290VAC, rated 220VAC	120 to 425VDC, rated 340VDC	Operating Temperature	-10°C to +50°C
Efficiency	> 96%	> 96%	Storage Temperature	-40°C to +75°C
Rated Power	3000W(176 to 290VAC)	3000W(200 to 425VDC)	Operating Humidity	5% to 95%(non-condensing)
Working Temperature	-10°C to +75°C(fully output below 55°C)	-10°C to +75°C(fully output below 50°C)	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPUM27K-B5D1013 13U/450A Hybrid Subrack

IPUM27K-B5D1013 is a 19-inch sub-rack for hybrid power system produced by Megmeet, with 13U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 450A, with AC input/DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 85 to 290VAC for rectifier and 120 to 420VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Rectifier, MPPT and controller are hot pluggable, easy and quick on-line maintenance
 - High efficiency up to 96% for lower operating cost

Input Distribution		Controller		
	AC	DC		
Input Mode	380VAC three-phase	120VDC to 420VDC	Signal Input	7 dry contact
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	/	Alarm Output	4 AI(2 battery temp., 1 ambient temp., 1 fuel level sensor), 1 RS485, 7 DI
Input Capacity	100A/4Px1	25A/2Px4	Communication Port	RS485, SNMP
SPD	20kA/40kA, 8/20μs		Display Mode	LCD
Output Distribution		System		
	Rectifier	Solar Module		
Output Voltage	-42 to -58VDC, rated value: -53.5VDC	-42 to -58VDC, rated value: -54.5VDC	Dimension(W x D x H)	482.6 x 350.6 x 13U, ≤40kg(without modules)
Battery Breakers	250A/1P x 3(125A/3P x 3)		Cooling Mode	Natural cooling
Load Breakers	LIvd: 125A/1P x 2, 25A/1P x 1, 1 spare pos BIvd: 125A/1P x 2, 6A/1P x 2		Maintenance Mode	Front maintenance
DC SPD	10kA/20kA, 8/20μs		Protection Level	IP20
Module		Environment		
	Rectifier Module	Solar Module		
Input Voltage	85 to 290VAC, rated 220VAC	120 to 420VDC, rated 340VDC	Operating Temperature	-10°C to +50°C
Efficiency	> 96%	> 96%	Storage Temperature	-40°C to +75°C
Rated Power	3000W(176 to 290VAC)	3000W(200 to 425VDC)	Operating Humidity	5% to 95%(non-condensing)
Working Temperature	-10°C to +75°C(fully output below 55°C)	-10°C to +75°C(fully output below 50°C)	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPUM39K-A5D1315 15U/650A Hybrid Subrack

IPUM39K-A5D1315 is a 19-inch sub-rack for hybrid power system produced by Megmeet, with 15U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 650A, with AC input/DC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Wide input voltage range: 85 to 290VAC for rectifier and 120 to 420VDC for MPPT
 - Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- Rectifier, MPPT and controller are hot pluggable, easy and quick on-line maintenance
 - High efficiency up to 96% for lower operating cost

Input Distribution		Controller		
	AC	DC		
Input Mode	380VAC three-phase	120VDC to 420VDC	Alarm Output	7 dry contact
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	/	Signal Input	4 AI(2 battery temp., 1 ambient temp., oil), 1 RS485, 7 DI
Input Capacity	125A/4Px1	63A/2Px6	Communication Port	RS485, SNMP
SPD	20kA/40kA, 8/20μs		Display Mode	LCD
Output Distribution		System		
	AC	Solar		
Output Voltage	-42 to -58VDC, rated value: -53.5VDC	-42 to -58VDC, rated value: -54.5VDC	Dimension(W x D x H)	482.6 x 350.6 x 15U, ≤50kg(without modules)
Battery Breakers	250A/1Px3(125A/3Px3)		Cooling Mode	Natural cooling
Load Breakers	LIvd: 125A/1Px2, 25A/1Px1, 1 spare pos BIvd: 125A/1Px2, 6A/1Px2		Maintenance Mode	Front maintenance
DC SPD	10kA/20kA, 8/20μs		Protection Level	IP20
Module		Environment		
	Rectifier Module	Solar Module		
Input Voltage	85 to 290VAC, rated 220VAC	120 to 420VDC, rated 340VDC	Operating Temperature	-10°C to +50°C
Efficiency	> 96%	> 96%	Storage Temperature	-40°C to +75°C
Rated Power	3000W(176 to 290VAC)	3000W(200 to 425VDC)	Operating Humidity	5% to 95%(non-condensing)
Working Temperature	-10°C to +75°C(fully output below 55°C)	-10°C to +75°C(fully output below 50°C)	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)

* This is a standard Megmeet power system. Customized design is available.

IPU424K-A7A659 5U300A Rectifier Subrack

IPU424K-A7A659 is a 19-inch sub-rack power system produced by Megmeet, with 5U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system's maximum power is 24kW, with AC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Upgradeable for MR484000 rectifiers(20kW n+1 redundant)
 - Utilizes 6 x MR483000 rectifiers(18kW n+1 redundant) configuration
- Supports ethernet, SNMP, ModBus and RS485 communication interfaces
 - High efficiency up to 98% for lower operating cost

AC Distribution		DC Distribution	
Input Mode	380VAC three-phase	Output Voltage	-43 to -58VDC, rated value: -53.5VDC
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	Maximum Capacity	24kW
Input Capacity	1 x 63A/4P	Load Breakers	LLvd: 32A/1P x 2 + 40A/1P x 2 + 63A/1P x 2 BLvd: 6A/1P x 1 + 10A/1P x 2 + 16A/1P x 2
SPD	20kA/40kA, 8/20μs	Battery Breakers	3 x 125A/1P
Output Distribution		SPD	10kA/20kA, 8/20μs
Efficiency	Up to 98%		
Controller			
DI/DO	3 AI(2 Battery temp., 1 ambient temp), 8 DI, 8 DO, 12V, 1 SPD	Communication Port	Ethernet, SNMP, ModBus, RS485
System			
Cooling Mode	Fan cooling	Monitoring	Supports ethernet, SNMP, ModBus, RS485 communication interfaces
Environment			
Operating Temperature	-40°C to +65°C; @ -40°C, can startup		
Operating Humidity	5% to 95%(non-condensing)		
Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)		
Dimension(H x W x D)	222.25mm x 482.6mm x 350.6mm		

* This is a standard Megmeet power system. Customized design is available.

IPUM24K-A7A679 7U300A Hybrid Subrack

IPUM24K-A7A679 is a 19-inch sub-rack hybrid power system produced by Megmeet, with a 7U height compact design to meet critical application needs of fiber and microwave transmission, access devices, and switches. The system's maximum power is 24kW, with AC input/battery/load MCBs. The cables are front accessing with MCB and busbar.



Key Features

- Upgradeable for MR484000 rectifiers(20kW n+1 redundant)
 - Utilizes 6 x MR483000 rectifiers(18kW n+1 redundant) configuration
- Supports ethernet, SNMP, ModBus, and RS485 communication interfaces
 - High efficiency up to 98% for lower operating cost

Input Distribution			Output Distribution		
	AC Input	Solar Input	Maximum Capacity	24kW	
Input Mode	380VAC three-phase	120VDC to 425VDC	Battery Breakers	3 x 125A/1P	
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz	/	Output Voltage	-42 to -58VDC, rated value: -53.5VDC(AC Input)	-42 to -58VDC, rated value: -54.5VDC(Solar Input)
Input Capacity	1 x 63A/4P	4 x 63A/2P	DC SPD	10kA/20kA, 8/20μs	
SPD	20kA/40kA, 8/20μs		Load Breakers	LLvd: 32A/1P x 2 + 40A/1P x 2 + 63A/1P x 2 BLvd: 6A/1P×1 + 10A/1P x 1 + 16A/1P x 2	
Controller					
DI/DO	3 AI(2 Battery temp., 1 ambient temp), 8 DI, 8 DO, 12V, 1 SPD		Communication Port	Ethernet, SNMP, ModBus, RS485	
Environment					
Operating Temperature	-40°C to +65°C; @ -40°C, can startup				
Operating Humidity	5% to 95%(non-condensing)				
Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)				
Dimension(H x W x D)	311.15mm x 482.6mm x 350mm				

* This is a standard Megmeet power system. Customized design is available.

IPBO424H22-A1

Outdoor Power Cabinet

This rugged outdoor power cabinet is designed for harsh environments with comprehensive environmental monitoring capabilities. The IP55-rated enclosure is made of 1.5mm thick SGCC steel and features a three-point anti-theft lock for enhanced security.

To ensure stable operation, the cabinet has a built-in 120W/K high-efficiency heat exchanger and a flexible power distribution system that supports 220VAC single-phase input, up to 24kW of power, and a variety of batteries and load circuit breakers.

With comprehensive environmental monitoring capabilities, the cabinet operates within a temperature range of -40°C to +65°C and a non-condensing humidity range of 5% to 95%. Exclamation Built-in smoke, water, and door sensors provide real-time monitoring for equipment safety and stability.



Key Features

- Robust construction: IP55-rated, 1.5mm SGCC, anti-theft lock.
 - Efficient cooling: 120W/K heat exchanger
- Flexible power distribution: 220VAC input, 24kW capacity, various breakers
 - Comprehensive monitoring: Temperature, humidity, and multiple sensors

Basic Information		Other Information	
Outer Size(W x D x H)	700mm x 700mm x 2200mm (exclude temperature control protrusions)	Lighting	1PCS
Covering Area(W x D)	700mm x 700mm	Smoke Sensor	1PCS
Height of Base	100mm(2.0mm SGCC)	Water Sensor	1PCS
Inner Space	45U	Door Sensor	1PCS
Wall Material	1.5mm SGCC	Input Distribution	
Door Material	1.5mm SGCC	Input Mode	220VAC single-phase
Lock	Three point Anti-theft lock	Input Breakers	80A/2P*2
Protection Grade	IP55	Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz
Wiring Position	Bottom in and out	AC SPD	20kA/40kA, 8/20μs
DC Output Distribution			
Output Voltage	-42 to -58VDC, rated value: -53.5VDC		
Maximum Capacity	24kW		
Battery Breakers	6*125A/1P(right side wall installation)		
Load Breakers	Llvd: 4*125A/1P; Blvd: 2*32A/1P, 4*40A/1P, 4*63A/1P, 4*100A/1P, 2*125A/1P		
DC SPD	20kA, 8/20μs		
Temperature Control Information			
Heat Exchanger	120W/K		
Controller			
DI/DO	4 AI(3 temp, 1 hum), 8 DI, 8DO, 2 Southbound RS485, 1 Northbound RS485, 12V*1 output		
Environment			
Operating Temperature	-40℃ to +65℃; At -40℃, can startup		
Operating Humidity	5% to 95%(non-condensing)		
Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)		

IPBI41802-A

Mega Power System

IPBI41802-A indoor cabinet provides a safe and reliable physical working environment for wireless communication sites. The system integrates functions such as an indoor cabinet, temperature control equipment, and environmental monitoring. The power supply system and AC/DC power distribution unit can be installed according to user requirements inside cabinet. While the installation space is reserved for the user equipment and the backup battery.



*The product is under development.

Key Features

- Single cabinet accounts for an area of less than 1 square meter, the site address is easy to be obtained
 - Upgradable for MR484000 rectifiers(156kW n+1 redundant)
- Supports ethernet, SNMP, ModBus and RS485 communication interfaces
 - High efficiency up to 97% for lower operating cost

Input Distribution	
Input Mode	380VAC three-phase
Input Capacity	1*400A/4P
Input Frequency	45 to 65Hz, rated value: 50Hz/60Hz
AC SPD	20kA/40kA, 8/20μs
Output Distribution	
Output Voltage	-42 to -58VDC, rated value: -53.5VDC
Maximum Capacity	180kW
Battery FUSEs	4*1250A
Load FUSEs	LLVD FUSEs:3*800A,BLVD FUSEs:3*800A
DC SPD	10/20KA, 8/20μs
Output Capacity	3000A
Cabinet Information	
Dimension(W x D x H)	600mm x 600mm x 2000mm
Controller	
DI/DO	4 AI(3 temp, 1 hum) , 8 DI, 8 DO, 2 Southbound Rs485, 1 Northbound Rs485, 12V*1 output
Environment	
Operating Temperature	-40°C to +65°C, -40°C to 40°C
Operating Humidity	5% to 95%(non-condensing)
Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)

IPBIB235-A1

Outdoor Battery Cabinet

The IPBIB235-A1 outdoor cabinet is robustly designed to protect electrical and battery components in external environments. With a protection grade of IP55, it effectively shields against dust and water. The cabinet's three point anti-theft lock and 1.5mm SGCC construction ensure high security and durability. The integrated temperature control system with DC fans provides efficient ventilation, while built-in sensors and circuit breakers enhance operational safety.



Key Features

- High security: Equipped with a three point anti-theft lock and constructed from 1.5mm SGCC for enhanced protection
- Ample space: Provides 45U inner space, with 38U dedicated to batteries, accommodating various components efficiently
- Effective protection: Rated IP55, offering superior protection against dust and water ingress
- Advanced safety measures: Includes a 400A/2P MCCB for battery protection, water and door sensors, and direct ventilation with DC fans for optimal temperature control

Parameters	
Outer Size(W x D x H)	900mm x 900mm x 2350mm(excluding temperature control protrusions)
Covering Area(W x D)	900mm x 900mm
Height of Base	200mm(2.0mm SGCC)
Inner Space	45U(38U for Battery)
Wall Material	1.5mm SGCC
Door Material	1.5mm SGCC
Lock	Three point anti-theft lock
Protection Grade	IP55
Wiring Position	Bottom in and out
Electric	
Circuit Breaker	400A/2P MCCB 1PCS for battery, 6A/1P MCB 2PCS for LED light and DC fan
Temperature Control Information	
Direct Ventilation	DC Fan x 2
Other Information	
Lighting	DC -48V LED light x 1PCS
Smoke Sensor	Optional configurations available
Water Sensor	1PCS
Door Sensor	1PCS

IPBI2-ABAT

Indoor Battery Cabinet

The IPBI2-ABAT indoor battery cabinet is designed to house and organize batteries efficiently within a protected environment. It ensures safety with its single point lock system and IP20 protection grade. The cabinet's robust construction using 1.2mm SGCC provides durability and longevity. With flexible wiring positions and ample inner space, it supports easy installation and maintenance of electrical components.



Key Features

- High durability: Constructed with 1.2mm SGCC for both wall and door materials
- Ample space: Offers 42U of inner space to accommodate multiple battery trays and electrical components
- Enhanced safety: Single point lock and IP20 protection grade ensure secure and safe operation
- Efficient organization: Includes 8 battery trays with 4U spacing and 8 x 125A/1P MCB for organized and efficient electrical distribution.

Parameters	
Outer Size(W x D x H)	600mm x 600mm x 2000mm
Covering Area(W x D)	600mm x 600mm
Appearance Color	RAL9005
Inner Space	42U(19 inches)
Wall Material	1.2mm SGCC
Door Material	1.2mm SGCC
Lock	Single point lock
Protection Grade	IP20
Wiring Position	Bottom in and top out
Battery Tray	8 pieces(the spacing between trays is 4U)
Electrical Parts	8 x 125A/1P MCB for BATT- & RTN bar

Smart DCDU-300A1

Introducing the Smart DCDU-300A1: a compact, 19-inch rack or wall-mounted power distribution unit with advanced electrical parameter acquisition, remote configuring and control, and robust protection functions. It supports up to 300A input with versatile DC load breakers and ensures reliable performance in extreme environmental conditions. Designed for seamless integration using MODBUS RTU over RS485, it's the perfect solution for modern power management needs.



Key Features

- Electrical parameter acquisition: Collects and reports data on power, current, voltage, and temperature
- Remote configuring and control: Enables remote management of operating modes and parameters
- Protection function: Safeguards against over voltage, under voltage, over temperature, over current, and short circuits
- Communication protocol: Uses MODBUS RTU over RS485 for seamless device integration

System			
Dimension(W×D×H)	482.6mm x 326.8mm x 43.6mm	Cabling Mode	Front inlet(DC)
Weight	≤15kg	Protection Level	IP20
Installation Mode	Installed on 19-inch rack or wall mounted		
DC Distribution			
Input Mode	48VDC, max. 300A	DC SPD	20kA I _{max} , 10kA I _{nom} , 8/20μs
DC Load Breakers	Max. quantity: 14*≤63A		
Environment			
Operating Temperature	-40℃ to +60℃		
Storage Temperature	-40℃ to +75℃		
Operating Humidity	0% to 95%(non-condensing)		
Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1℃ as the altitude increases by 200m)		

Smart DC PDU

IPUPDU-DC

IPUPDU-DC sub-rack power supply, with 1U height compact design meets critical application needs of fiber and microwave transmission, access device and switch. The system maximum power is 200A. The cables are front accessing with MCB.



DC Input		DC Output	
Input Mode	-48VDC	Output Voltage	-48VDC
Input Capacity	200A max.	Breakers	63A/1P x 5 + 32A/1P x 5 + 16A/1P x 5
System		Environment	
Cooling Mode	Natural cooling	Operating Temperature	-10°C to +50°C
Installation Mode	Installed on 19-inch rack or inside the cabinet	Relative Humidity	5% to 95%(no conden sation)
Cabling Mode	Front inlet and outlet	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)
Protection Level	IP20	DC SPD	20kA I _{max} , 10kA I _{nom} , 8/20μs

IPUPD-200A1

Compact DC PDU

The IPUPD-200A1 is a power distribution unit designed for both indoor and outdoor low-voltage DC power distribution systems. It fits into a 19-inch cabinet and serves as a distribution unit and surge protection device for a -48V DC power supply, offering 9 channels of output with built-in surge protection.



Key Features

- Standard 19-inch, 1U rack installation
 - Supports 1-path input and 9-path output
- Each output channel equipped with MCB protection
 - Equipped with fault remote signaling alarm interface

Operating Environment	
Temperature	-40℃ to +55℃
Relative Humidity	5% to 100%
Altitude	≤ 4000 m
Technical Parameters	
Nominal Operating Voltage(Un)	-48VDC
Maximum Continuous Operating Voltage(Uc)	-75VDC
Input rated Load Current(IL)	200A max
Output rated Load Current(IL)	9-path outputs: 4*40A, 5*25A
Surge Protection Capability(8/20μs)	20KA(-48V - RTN), 20KA (RTN - PE)
Cross-sectional Area of Connecting Terminal	Input: 10 mm² to 35 mm², Output: 1 mm² to 16 mm², Signaling: 0.2 mm² to 1.5 mm²
Cable Connection	Input: M6 Screw , Output: Cable plug-in
Grounding Screw	M6X12
Degree of Protection(IP Code)	IP20
Weight	3.2kg
Safety Standards	Complies with IEC/EN 62368-1
RoHS Standard	Compliant
Overall Dimensions(W×H×D)	482.6mm x 44mm x 147mm
Installation Dimensions	465±1mm×31.7mm(19" rack mount)

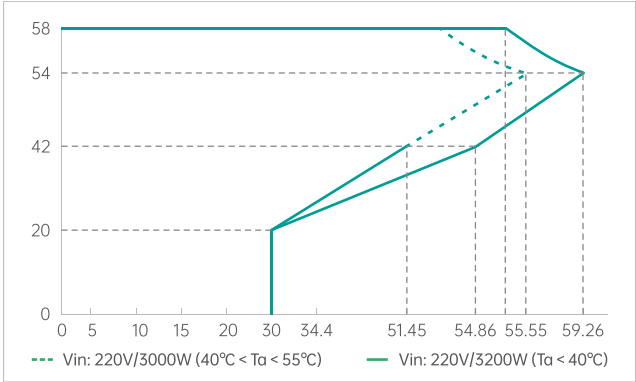
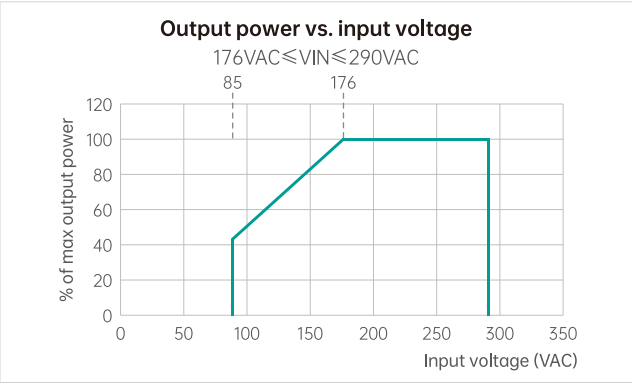
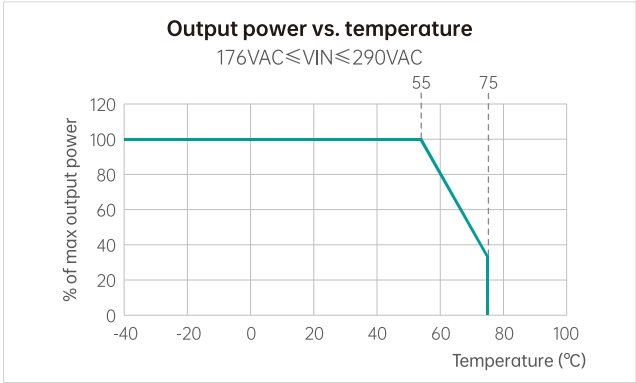
PSU IPT483000ACOD

Outdoor PSU

IPT483000ACOD is a new generation of high-efficiency outdoor telecom power supply in MEGMEET, It has IP55 waterproof rating, can be use in various harsh environments, It can support wall-mounted and pole , and is widely used in 4G/5G microstations and 5G AAU power supply system



AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -54VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	97±0.1%
Max Input Current	20A	Maximum Capacity	3000W
Input Frequency	45 to 65Hz	Maximum Output Current	56A
Maximum Number of Parallel Modules	4	DC Ports	4Loads(40A)+2Bats(80A)
Power Factor	≥0.99(220VAC @ 20% to 100%load)	THDI	≤5% @ 50% to 100% load(200VAC)
Control and Monitoring		Environmental	
Communication Protocol	CAN	EMC	EN55032 class A; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	CE、UL、UL-CB、UL62368-1; IEC62368-1, EN62368-1



MBS48100

Battery Pack

The MBS48100 is a 19-inch integrated lithium iron phosphate communication backup battery pack, with the height of 3U. The product has the characteristics of small size, light weight, battery self-maintenance and management, easy to use, energy saving and environmental protection. It is widely used in indoor and outdoor base stations, photovoltaic energy storage base stations, IDC computer room, household energy storage and other industries, such as micro base stations, macro base stations, photovoltaic energy storage base stations and micro grid energy storage, etc.



Key Features

- The CCS integrated is by FFC, which changes the messy distribution of traditional collection harnesses and improves assembly efficiency by 80%
- The battery cathode is made of lithium iron phosphate (LiFePO4) material, which has good safety performance and long cycle life
- Battery management adopts a high-performance BMS battery tube system, with advanced SOC algorithms to make capacity calculations more accurate
- Charge and discharge self-management, and real-time information reporting, make the back-end monitoring unit can timely and accurately collect the battery information
- With current limiting function and automatic wake-up function
- Flexible configuration, multi-module can be used in parallel, prolonging the system backup time

Basic Parameter		Communication	
Cooling Mode	Natural Cooling	Alarm Output	2 dry contact
Protection Level	IP20	Communication Port	RS485, RS232
Nominal Voltage	48V	Parallel Mode	Manual Dialing
Capacity	100Ah	Max Number of Parallel Modules	Single battery 15 series, supports 16 parallel connections
End of Charge Voltage	54.75V	Display Mode	LED
Energy	4.8kWH		
Over Discharge Protection Voltage	40.5V	Environment	
Maximum Continuous Discharge Current	100A(1C)	Operating Humidity	5% to 95%(non-condensing)
Anti-theft Function	With a gyroscope	Storage Temperature	-20°C to +45°C
Cyle Life @ 80% DoD 25°C & 0.2/0.5C Charge/Discharge	>4000 cycles	Charging/Discharging Temperature Range	Charging: 0-50°C(32-140°F) Discharging: -20-60°C(-4°F to 140°F)
Charging Current(Optional): Maximum 1C(100A) Charging Current	10A	Altitude	0 to 4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m)
Certification			
Standard	Designed according to IEC62619\IEC62368、EN300386、UN38.3/MSDS		

MPC48100

Battery Pack

The MPC48100 is a 19-inch integrated lithium iron phosphate communication backup battery pack, with the height of 3U. The product has the characteristics of small size, light weight, battery self-maintenance and management, easy to use, energy saving and environmental protection. It is widely used in indoor and outdoor base stations, photovoltaic energy storage base stations, IDC computer room, household energy storage and other industries, such as micro base stations, macro base stations, photovoltaic energy storage base stations and micro grid energy storage, etc.



Key Features

- The CCS integrated is by FFC , which changes the messy distribution of traditional collection harnesses and improves assembly efficiency by 80%.
- The battery cathode is made of lithium iron phosphate (LiFePO4) material, which has good safety performance and long cycle life.
- Battery management adopts a high-performance BMS battery tube system, with advanced SOC algorithms to make capacity calculations more accurate.
- Charge and discharge self-management, and real-time information reporting, make the back-end monitoring unit can timely and accurately collect the battery information.
- With current limiting function and automatic wake-up function
- Flexible configuration, multi-module can be used in parallel, prolonging the system backup time

Basic parameter		Communication	
Cooling mode	Natural cooling	Alarm output	2 Dry contact
Protection level	IP20	Communication port	RS485, Rs232
Nominal voltage	48V	Parallel mode	Manual dialing
Capacity	100Ah	Display mode	Upper computer
End of charge voltage	54V	Environment	
Energy	4.8kWh	Operating temperature	- 20°C~+55°C
Over discharge protection voltage	40.5V	Storage temperature	- 20°C~+45°C
Maximum continuous discharge current	100A (1c)	Operating humidity	5%~95%(non-condensing)
Anti-theft function	With a gyroscope	Altitude	0~4000m(if the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m.)
Charge current (current limited)	10A	Certification	
Cycle life @ 70% SOH 25°C& 0.5 C charge/discharge	≥ 4000 cycles	Standard	Designed according to IEC62619/CB、UN38.3/MSDS

MR4830N

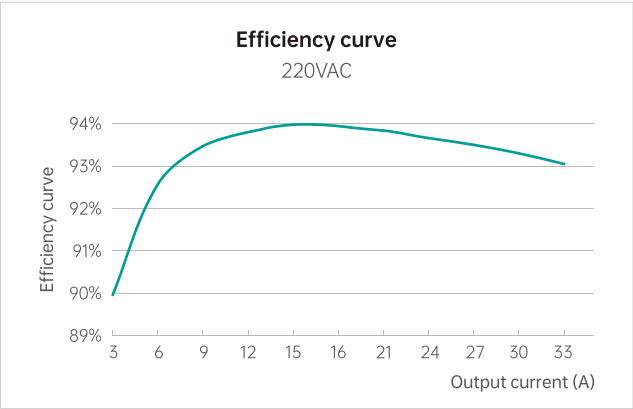
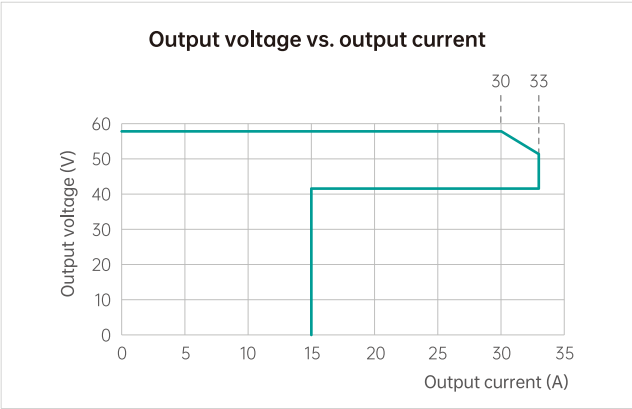
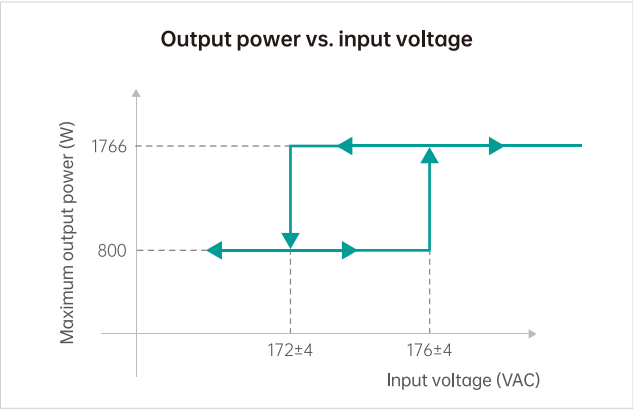
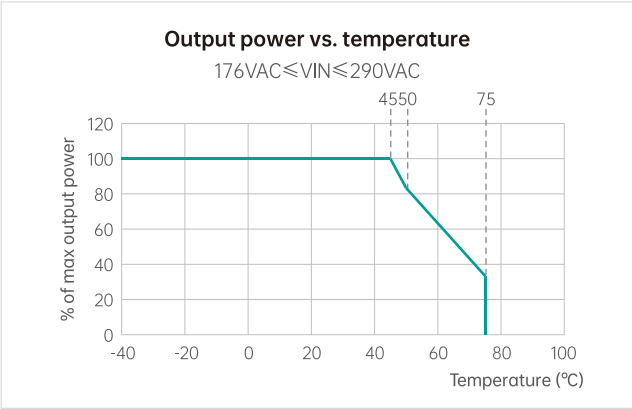
Rectifier



CE

- Maximum efficiency > 94%
- Power derating from 45°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 176VAC

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -53.5VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	> 94%
Max Input Current	12A	Maximum Capacity	1700W
Input Frequency	45 to 65Hz	Maximum Output Current	33A
Power Factor	≥0.99(220VAC @ 30A)	THD	≤10% @ 30% to 100% load
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class A; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	EN62368-1; IEC62368-1



MR482000HG

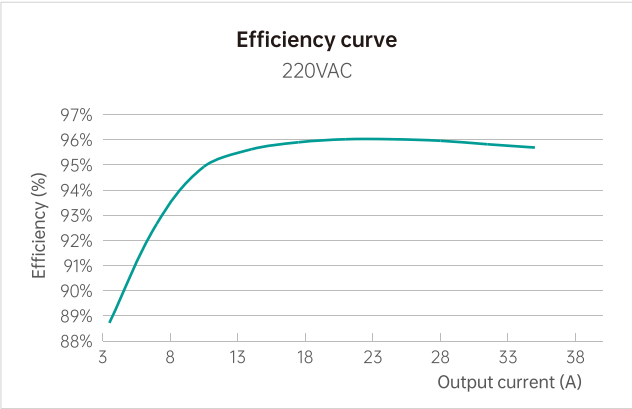
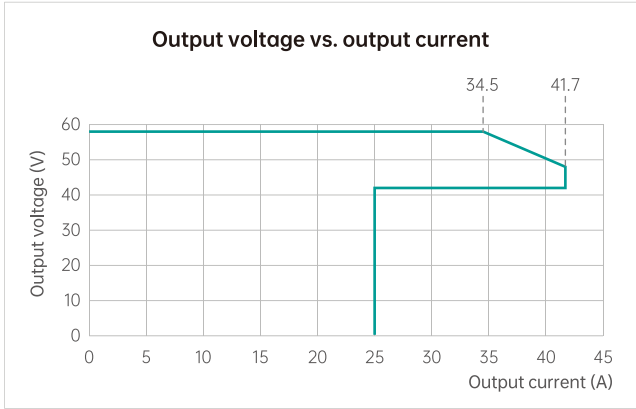
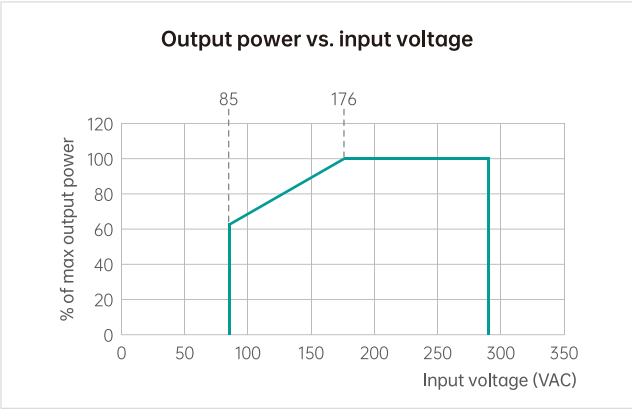
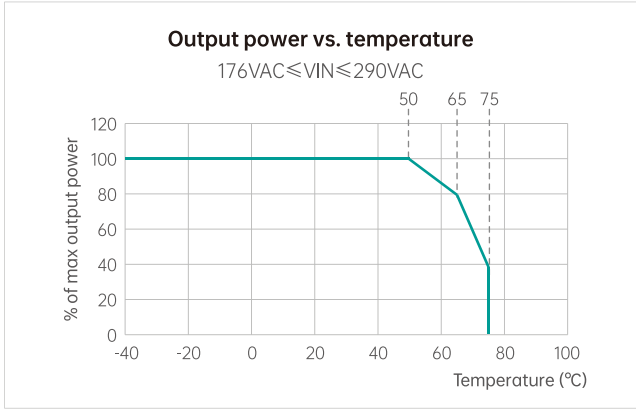
Rectifier



CE cULus CB

- Maximum efficiency > 96%
- Power derating from 55°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 176VAC

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -53.5VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	> 96%
Max Input Current	13A	Maximum Capacity	2000W
Input Frequency	45 to 65Hz	Maximum Output Current	41.7A
Power Factor	≥0.99(220VAC @ 30% to 100% load)	THD	≤5% @ 50% to 100% load
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class B; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	UL62368-1; EN62368-1; IEC62368-1



MR483000HG2B-GS

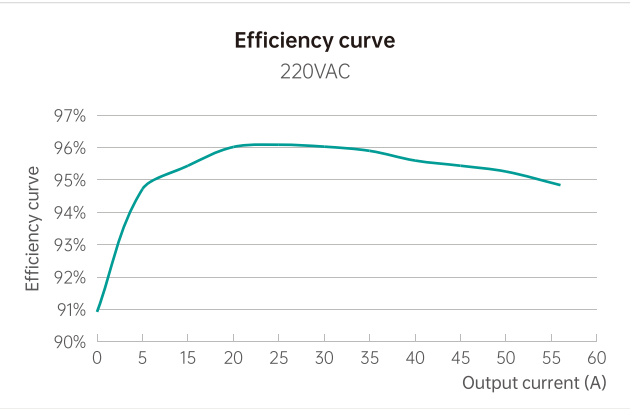
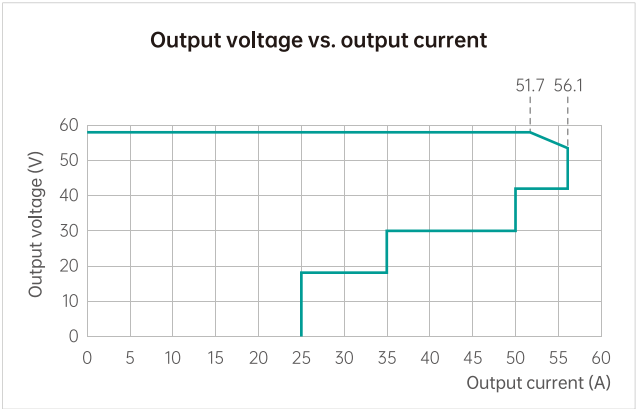
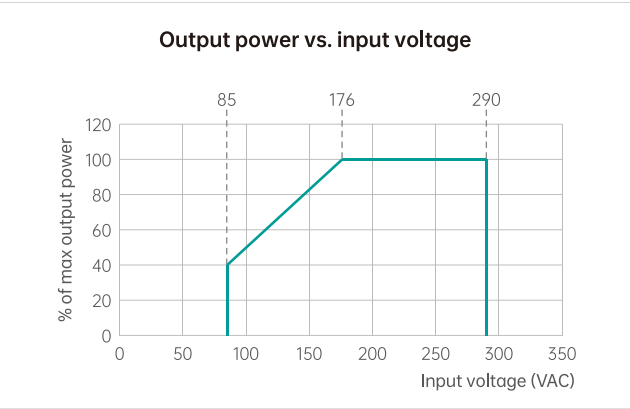
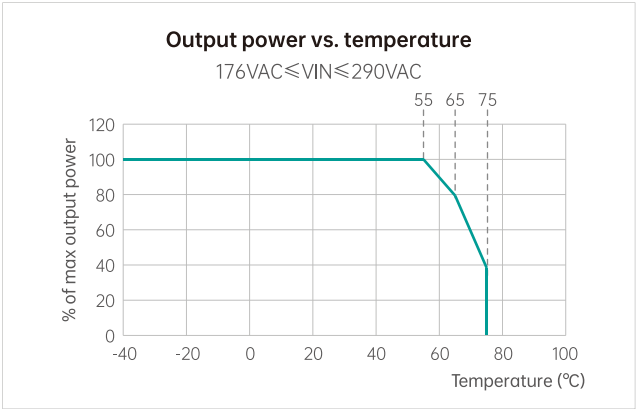
Rectifier





- Maximum efficiency > 96%
- Power derating from 55°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 176VAC

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -53.5VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	> 96%
Max Input Current	18A	Maximum Capacity	3000W
Input Frequency	45 to 65Hz	Maximum Output Current	56.1A
Power Factor	≥0.99(220VAC @ 20% to 100% load)	THD	≤5% @ 50% to 100% load(220VAC)
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class B; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	UL62368-1; EN62368-1; IEC62368-1



MR483000SHG2

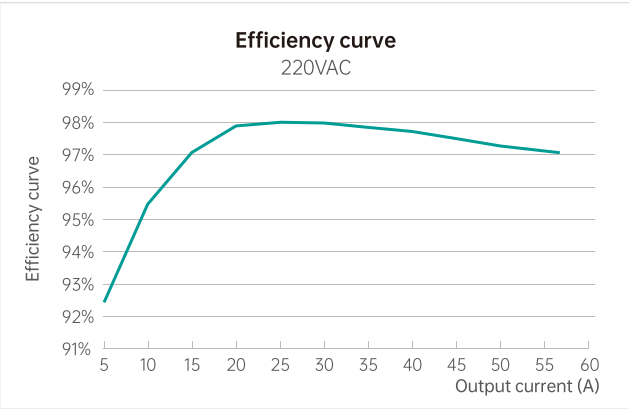
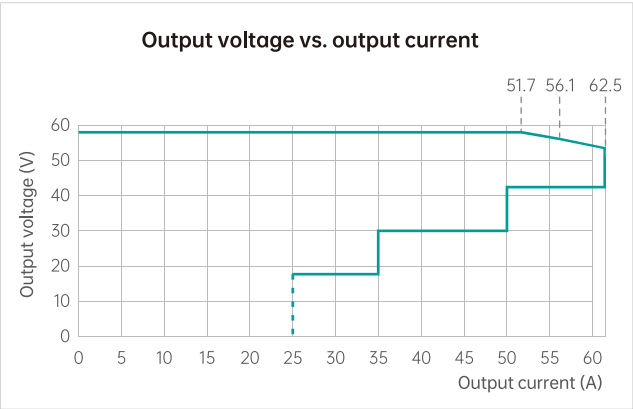
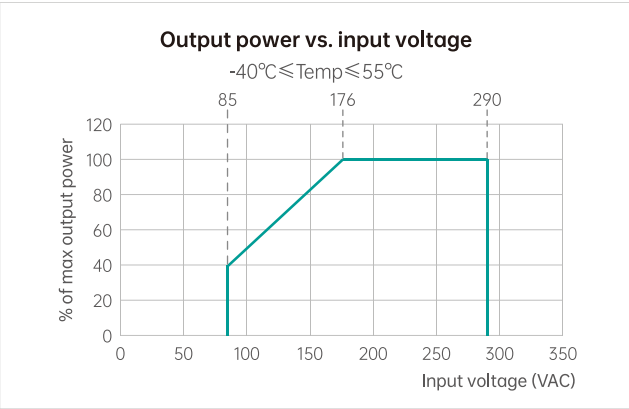
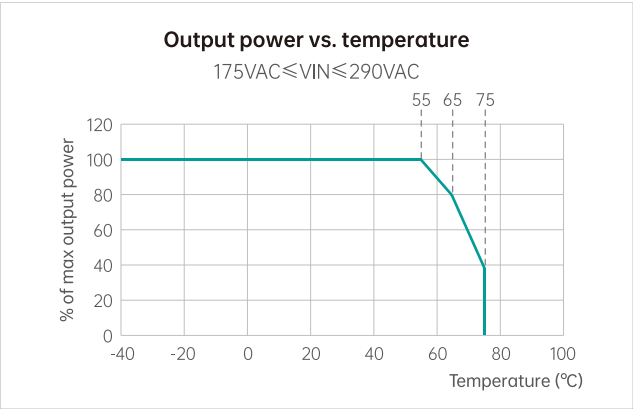
Rectifier





- Maximum efficiency > 98%
- Power derating from 55°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 176VAC

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -53.5VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	98±0.1%
Max Input Current	16A	Maximum Capacity	3000W
Input Frequency	45 to 66Hz	Maximum Output Current	62.5A
Power Factor	≥0.99(220VAC @ 50% to 100% load)	THD	≤5% @ 50% to 100% load(220VAC)
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032, classB
LED	Green-normal; yellow-alarm; red-fault	Safety	CE、UL、UL-CB、UL62368-1; EN62368-1; IEC62368-1



MR484000SG1-GS

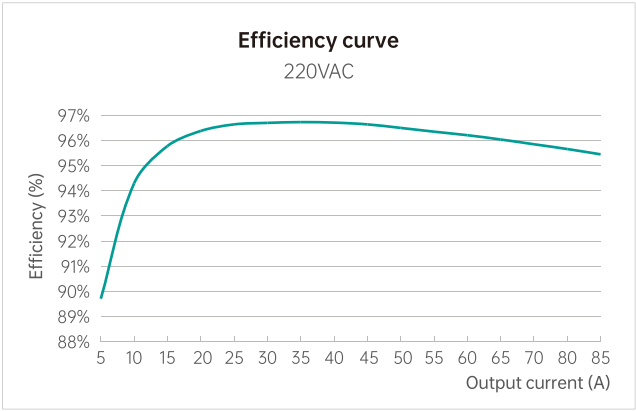
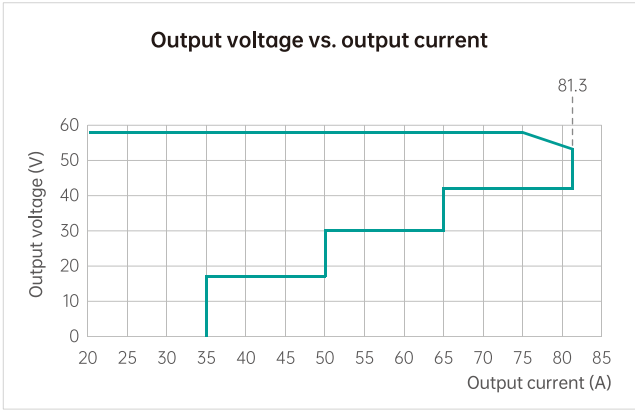
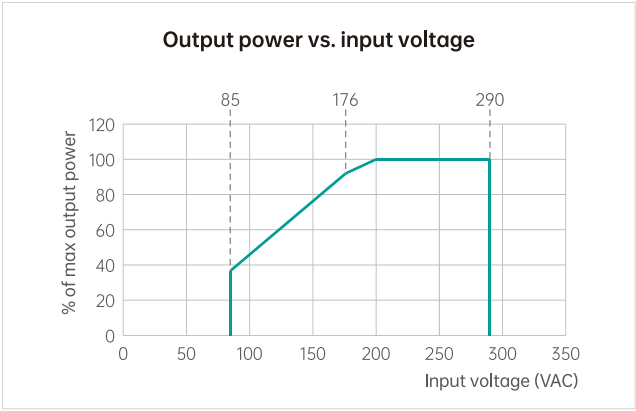
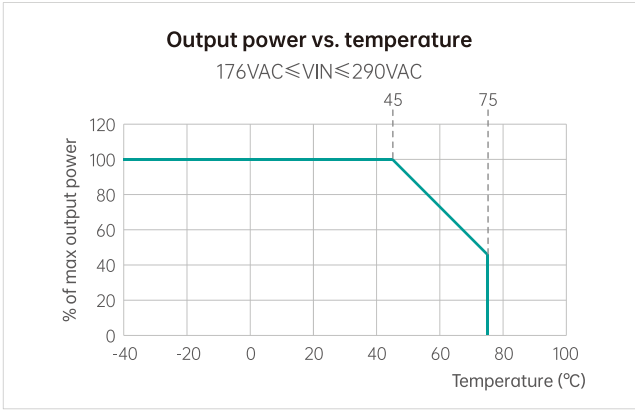
Rectifier





- Maximum efficiency > 96.5%
- Power derating from 45°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 176VAC

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -53.5VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	> 96.5%
Max Input Current	26A	Maximum Capacity	4350W
Input Frequency	45 to 65Hz	Maximum Output Current	81.3A
Power Factor	≥0.99(220VAC @ 20% to 100% load)	THD	<3% @ ≥50% load(220VAC)
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class B; EN55035; IEC61000-3-11; IEC61000-3-12
LED	Green-normal; yellow-alarm; red-fault	Safety	UL62368-1; EN62368-1; IEC62368-1



MR484000SG2-GS

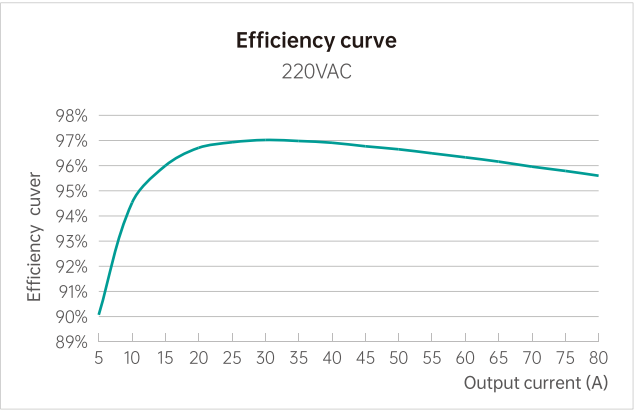
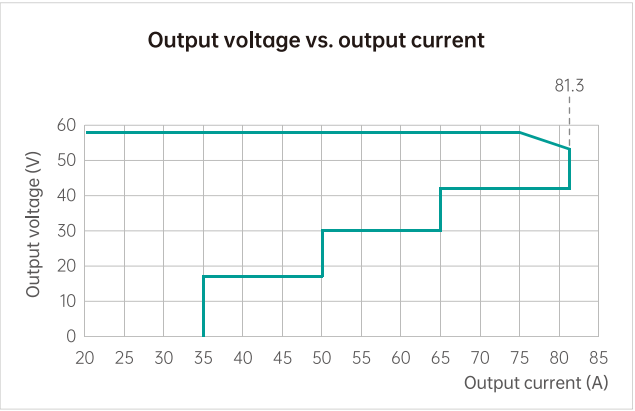
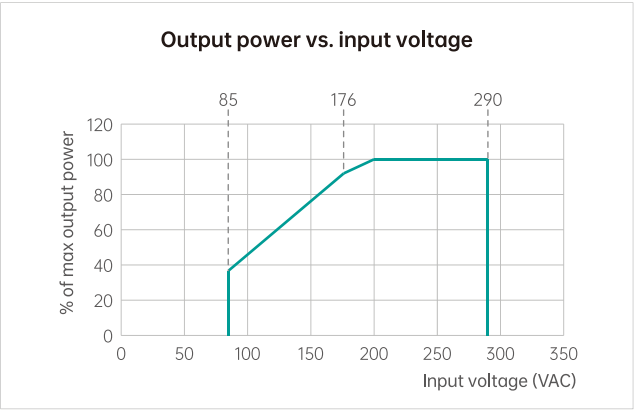
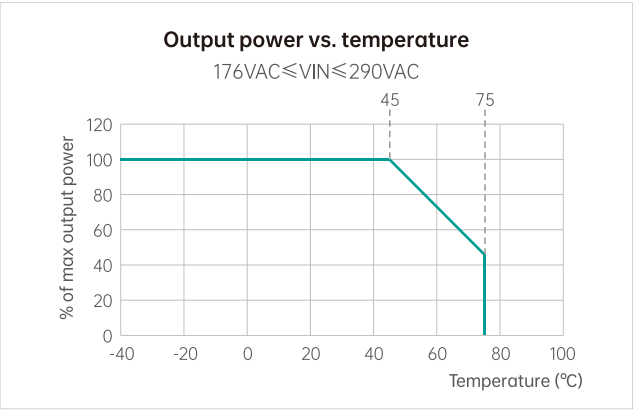
Rectifier





- Maximum efficiency > 97%
- Power derating from 45°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 176VAC

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	-42 to -58VDC, rated: -53.5VDC
Input Voltage Range	85 to 290VAC	Peak Efficiency	97%±0.1%
Max Input Current	26A	Maximum Capacity	4350W
Input Frequency	45 to 65Hz	Maximum Output Current	81.3A
Power Factor	≥0.99(220VAC @ 20% to 100% load)	THD	<3% @ ≥50% load(220VAC)
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class B; EN55035; IEC61000-3-11; IEC61000-3-12
LED	Green-normal; yellow-alarm; red-fault	Safety	UL62368-1; EN62368-1; IEC62368-1



MS483000HG

PV Module

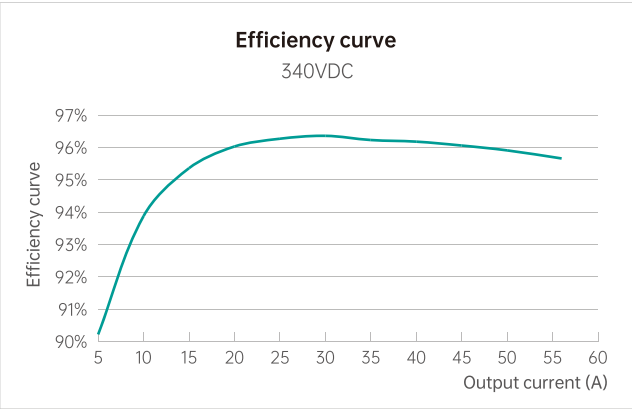
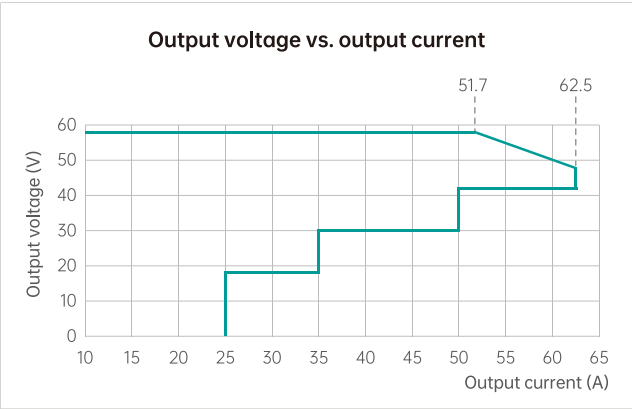
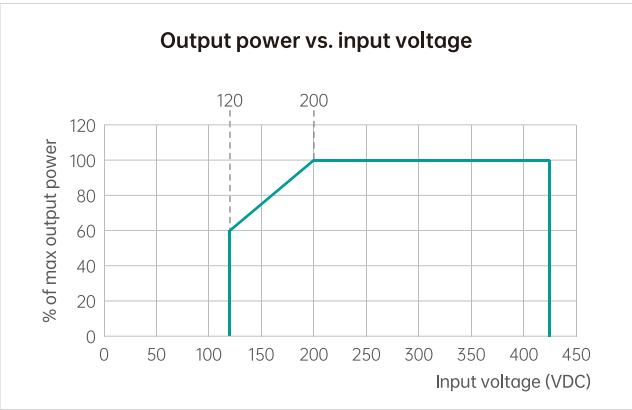
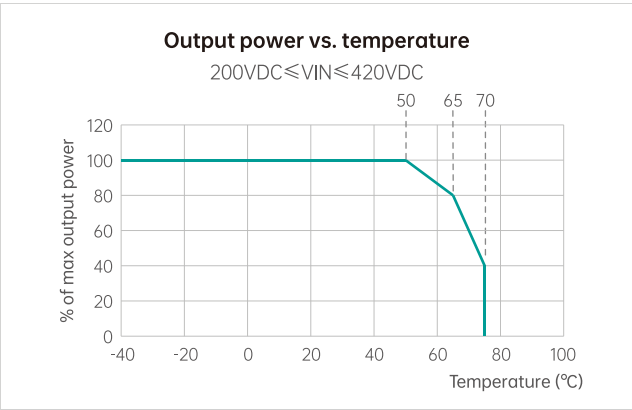


41.5mm
106.4mm
291mm

CE CB

- Maximum efficiency > 96%
- Power derating from 50°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 200VDC

PV Input		DC Output	
Input Voltage Range	120 to 425VDC, rated: 340VDC	Output Voltage	-43.2 to -58VDC, rated: -54.5VDC
MPPT Voltage Range	120 to 340VDC	Peak Efficiency	> 96%
Max Input Current	17A	Maximum Capacity	3000W
MPPT Accuracy	≥0.99 @ load ≥400W	Maximum Output Current	62.5A
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 CE class A; RE class B; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	EN62368-1; IEC62368-1



MS483000SG1

PV Module

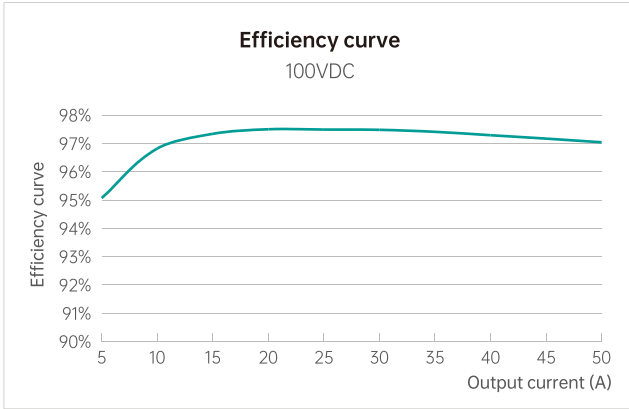
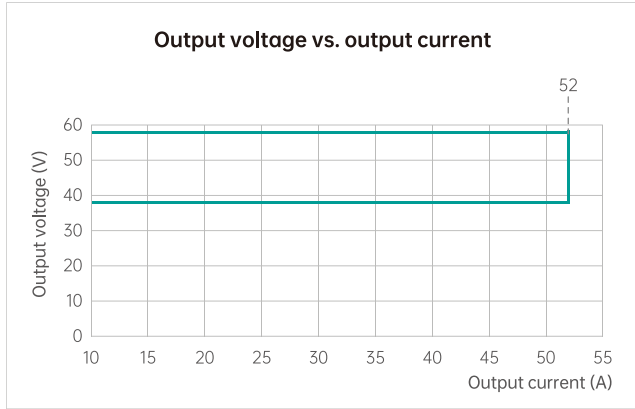
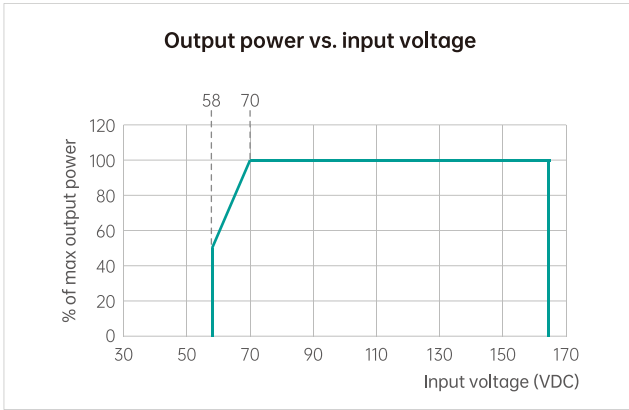
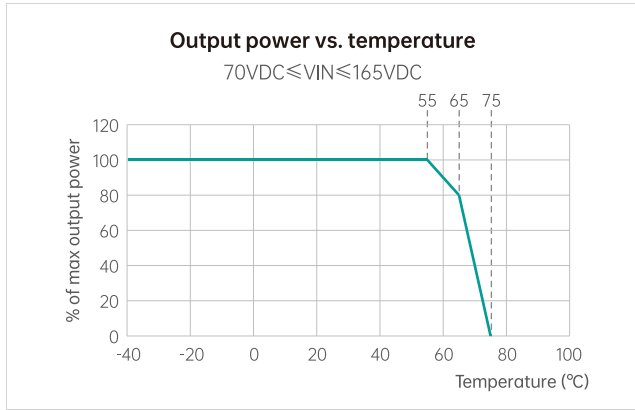


41.5mm
106.4mm
291mm

- Maximum efficiency > 97%
- Power derating from 55°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 70VDC
- A side: gold finger, B Side: front panel

40.5V

PV Input		DC Output	
Input Voltage Range	58 to 165VDC, rated: 100VDC	Output Voltage	-43.2 to -58VDC, rated: -54.5VDC
MPPT Voltage Range	58 to 120VDC	Peak Efficiency	> 97%
Max Input Current	46A	Maximum Capacity	3000W
MPPT Accuracy	≥0.99 @ load ≥400W	Maximum Output Current	52A
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 RE class A
LED	Green-normal; yellow-alarm; red-fault	Safety	Designed according to IEC/EN62109-1; IEC62368-1 will be implemented in the future



IPT573000DCG1

Bidirectional DC-DC Module

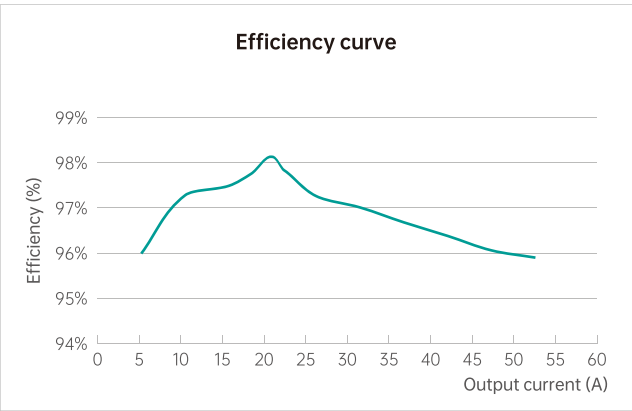
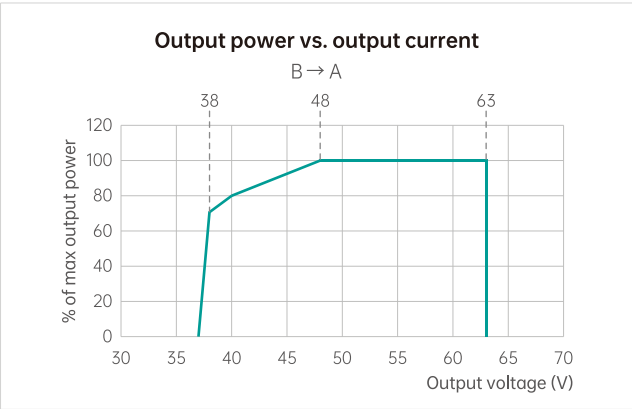
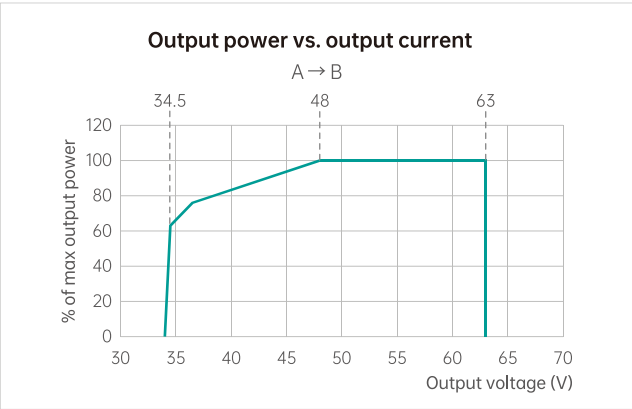
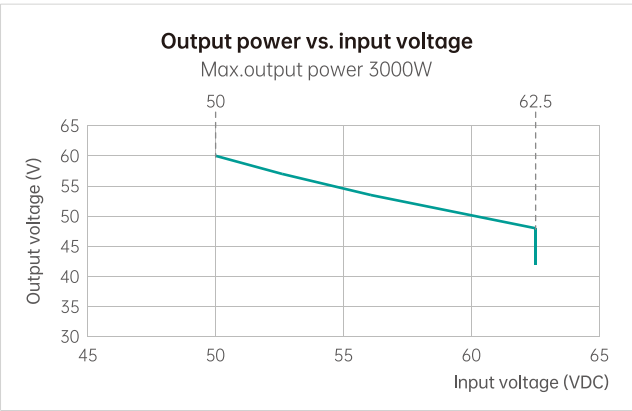
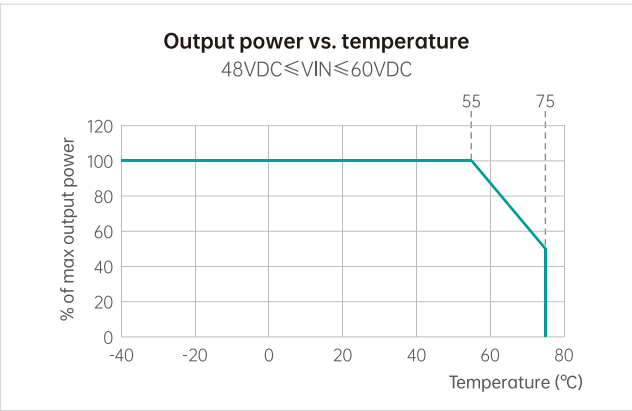
IPT573000DCG1 is a bidirectional module. According to the flow of energy, the direction is specifed as follows: A side refers to the gold finger side of the module, and B side refers to the module panel side.



- 48VDC power bidirectional conversion
- Power derating from 55°C to 75°C
- Operation temperature: -40°C to 75°C
- Peak module efficiency: 98±0.3%

A side → B side		B side → A side	
Input Voltage Range	37 to 60VDC, rated: 53.5VDC	Input Voltage Range	40 to 60VDC, rated: 53.5VDC
Rated Output Voltage	Rated 53.5 VDC/57VDC	Rated Output Voltage	Rated 53.5VDC/57VDC
Output Voltage Range	42 to 60VDC	Output Voltage Range	42 to 60VDC
Rated Output Current	Rated: 56.1A/52A	Rated Output Current	Rated: 56.1A/52A
Maximum Output Current	62.5A(adjustable)	Maximum Output Current	62.5A(adjustable)
Output Maximum Power	3000W	Output Maximum Power	3000W

Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032
LED	Green-normal; yellow-alarm; red-fault	Safety	Designed according to IEC/EN62368-1 standards

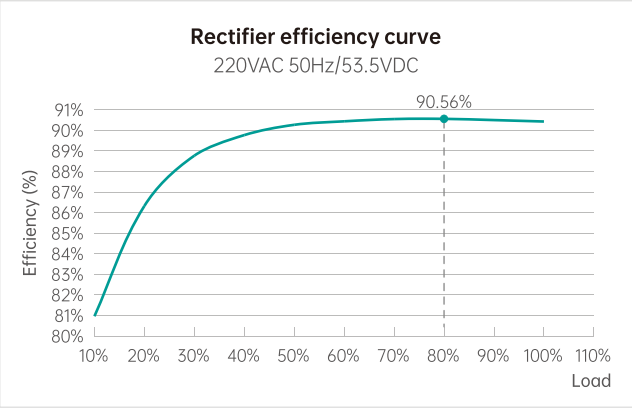
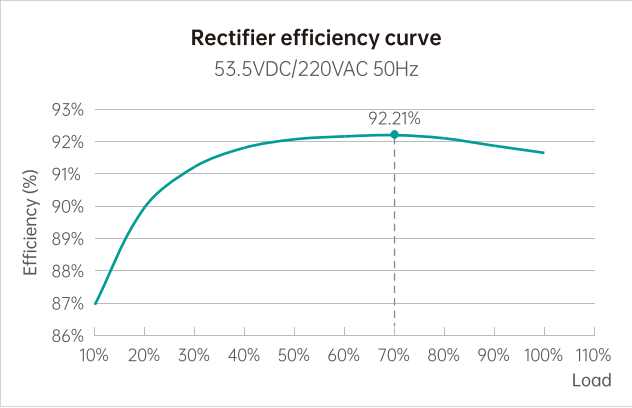
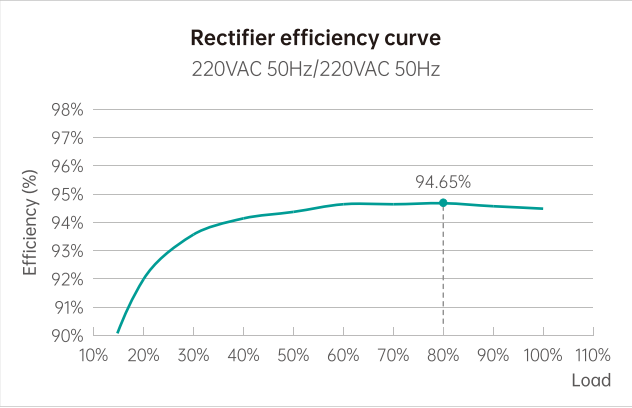
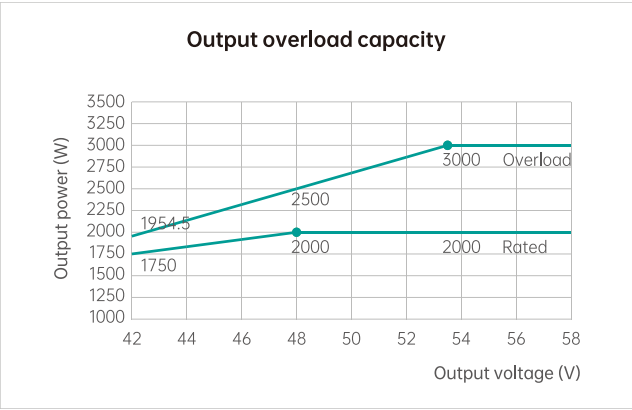
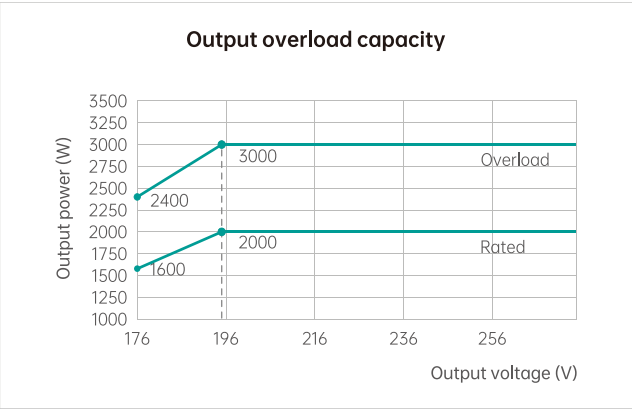
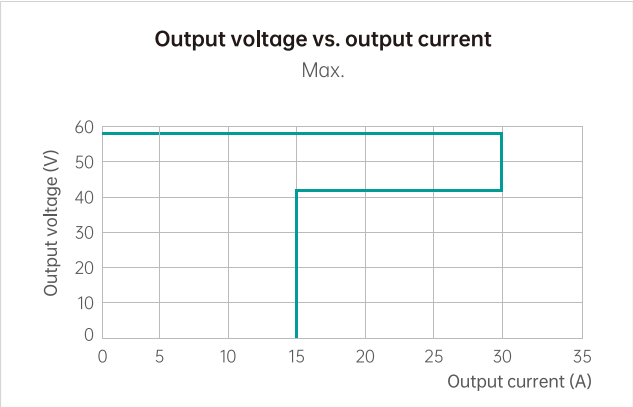
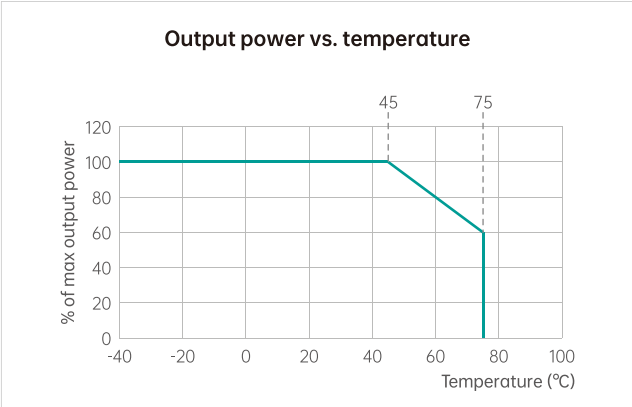


IPI2302000G2A Multi-Mode Inverter Module



- Maximum efficiency > 94%
- Power derating from 45°C to 75°C
- Operation temperature: -40°C to 75°C
- Output power derating at < 48VDC
-

DC Input		AC Input	
Input Mode	/	Input Mode	TT/TN/IT
Input Voltage Range	42 to 58VDC, rated: 53.5VDC	Input Voltage Range	187 to 275VAC, rated: 220VAC
Max Input Current	62.5A(RMS)	Max Input Current	22A
Peak Efficiency	AC OUT: 92%	Peak Efficiency	DC OUT: 90%; AC OUT: 94%
Starting Impulse Current	< 45A	Starting Impulse Current	< 15A
Output			
Output Voltage Range	AC: 220VAC or 230VAC	Load Power Factor	0.65 lag to 0.9 lead
Max Output Current	≤15A(RMS)	Voltage Regulation Accuracy	AC OUT: ≤±1%; DC OUT: ≤±0.6%
Frequency	50Hz±0.1Hz or 60Hz±0.1Hz	THD	<3% @ pure resistive load(220VAC)
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032, class A
LED	Green-normal; yellow-alarm; red-fault	Safety	Designed according to IEC/EN62368-1 standards



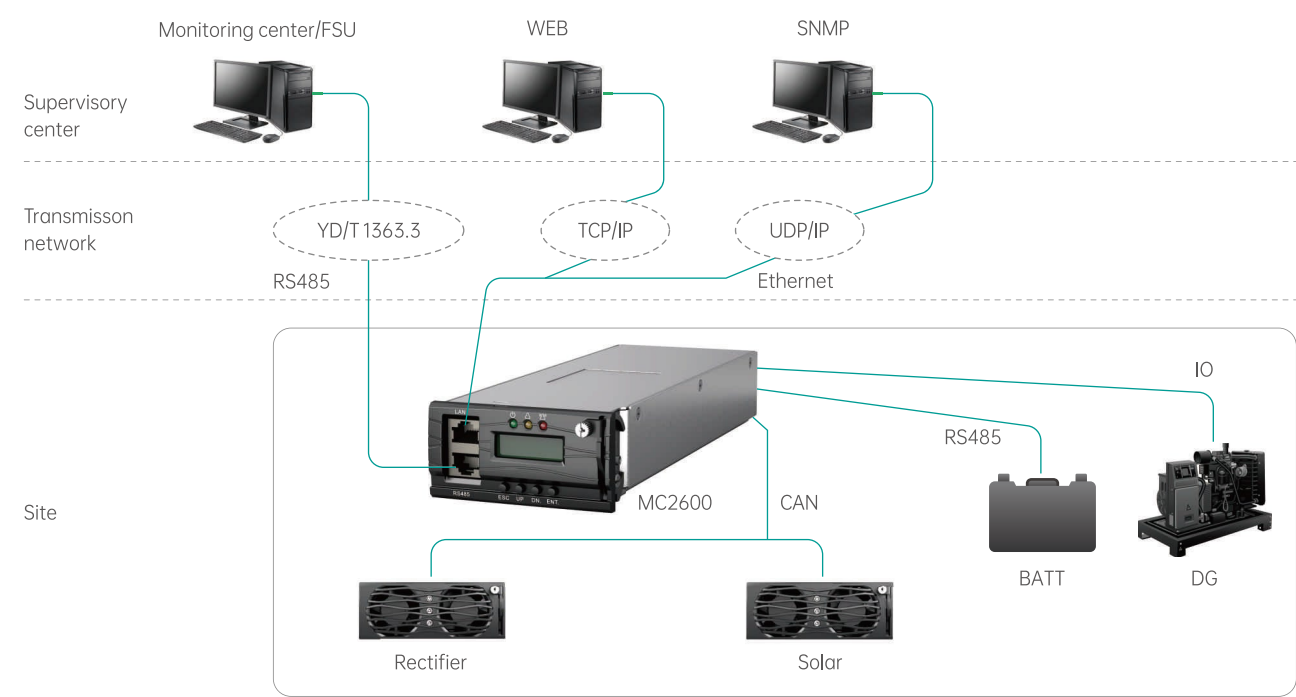
MC2600 Controller

MC2600 is the new generation DC power controller developed by Megmeet. The controller adopts ARM 32-bit cortex-M4 CPU as primary processor. MC2600 offers many features and functions, and a more robust, user-friendly, and easy-to-use interface. Powerful hybrid power management function including diesel management, VRLA and lithium-ion batteries, and solar modules.



Key Features

- Automatic battery test including advanced scheduled test, constant test and short test
 - Minimize installation time using configuration file upload feature
- Lower operating cost due to energy saving standby function for rectifier
 - Managing from 1 to 40 rectifiers



Measurement

24 x Analog & 9 x digital input readings including: system voltage, load current, battery current, battery temperature, 8*DI, 8*DO, etc.

Communication

The controller communicates with the host computer in 2 modes: RS485 and ethernet (WEB or SNMP). Setting and editing operational parameters, downloading data logs and history alarm are available via WEB browser. Communication between the controller and the rectifiers and the solar modules utilizes CAN communication.

SNMP protocol supports GET, SET and TRAP 2 x RS485 ports for battery BMS, HEX or extension function device

Alarm History Log

1000 event alarm history log, FIFO for system analysis

System Status Log

1000 records of output voltage and load current readings, and 50 records of historical battery test readings

LCD & LED

128 x 32 LCD screen display to access status, alarms, user settings; green/yellow/red LEDs indicate operation status and alarms

Battery Management

- Float/Boost charge
- Battery test
- Temperature compensation

- Battery capacity prediction
- Low voltage/cap disconnection
- Low/high temperature disconnection

Module Management

- Manages multiple Megmeet rectifier, solar module within one system
- Equalize rectifier run time for lifetime optimization
- Optimize number of active rectifiers for highest efficiency

Alarms/Events

- | | | | |
|-----------------------------|------------------------------------|-----------------------------------|-------------------------------------|
| • SPD alarm | • Battery fuse alarm | • Rectifier AC input failure | • Solar module communication fail |
| • Digital input alarm | • Battery discharge | • Rectifier fault | • Solar module fault |
| • Load fuse alarm | • Battery test fail | • Rectifier fan fault | • Solar module fan fault |
| • Manual mode alarm | • Battery imbalance | • Rectifier protection activated | • Solar module protection activated |
| • Current imbalance | • Battery disconnect | • Rectifier on/off status | • Solar module on/off status |
| • Ambient temperature alarm | • Battery temperature sensor fault | • Rectifier communication fail | • Solar module input failure |
| • Load disconnect | • Battery temperature alarm | • System energy-saving mode | • AC over voltage and under voltage |
| • AC power failure | • BMS communication fail | • Energy-saving mode interruption | • DC over voltage and under voltage |

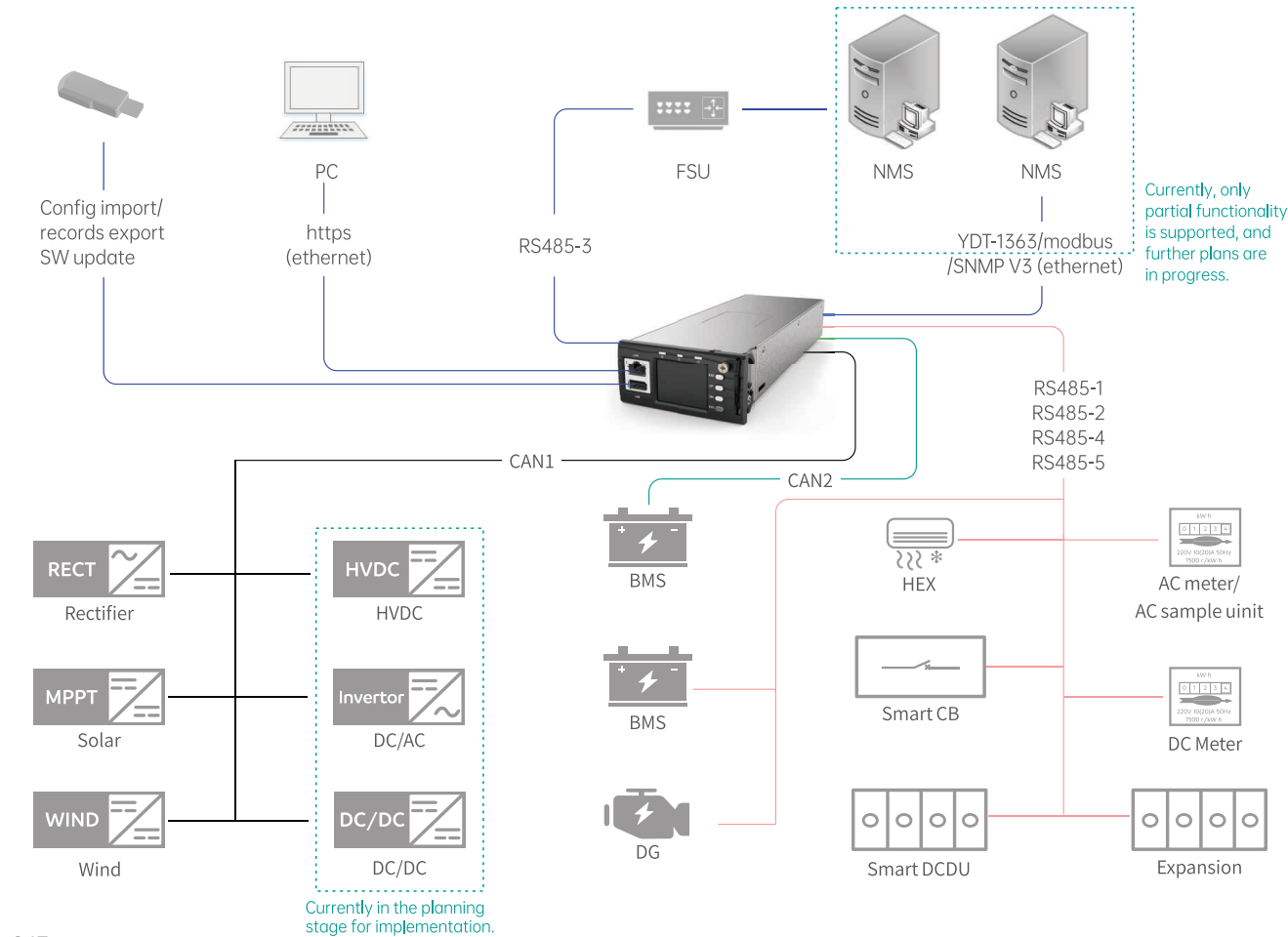
MC2900 Controller

MC2900 is the latest generation DC power controller developed by Megmeet. It is based on ARM Cortex-A8 CPU, 256M flash, 512M SRAM and linux operating system. MC2900 offers a more robust, user-friendly, and easy-to-use interface. The controller provides the management function of rectifier, solar module, wind module, DC/DC module, HVDC module, diesel, VRLA battery and lithium-ion battery.



Key Features

- Ipv4 static/DHCP, Ipv6 static/DHCP, TCP/IP, UDP, HTTPS, SNMP V2C/V3
 - Multilingual LCD and web display
- Controller firmware upgrading via USB/WEB/WIFI/bluetooth
 - Manages from 1 to 40 rectifiers



Measurement

22 x Analog & 12 x digital input readings including: system voltage, load current, battery current, battery temperature, Ambient temperature, ambient humidity, 12*DI, 8*DO, etc.

Communication

The controller communicates with the host computer in 2 modes: RS485 and ethernet (TCP/IP, UDP, https and SNMP). Setting and editing operational parameters, downloading operational history and alarm history are available via WEB browser. Communication between the controller and the rectifiers and the solar modules utilizes CAN communication.

SNMP protocol supports GET, SET and TRAP 4 x RS485 ports for battery BMS, DG or extension function boards

Alarm History Log

200000 history alarms and 100000 history events

System Stats Log

5000 battery test logs, 5000 battery charge logs, 5000 battery discharge logs, 5000 DG running logs

LCD & LED

128 x 160 LCD screen display to access current operating conditions, alarms, user settings; green/yellow/red LEDs indicate operation status and alarms

Collection and Management	Battery Management	DG manegment	Energy optimization and management
• Rectifier, solar module, wind module, DC/DC module, DC/AC module, HVDC module data • Lithium battery of any modbus/YDT-1363 protocol based on RS485 or CAN interface • Smart AC meter or self-developed AC metering board data collection • Smart DC meter data collection • Smart DG data collection and management • Climate data collection and management • Smart CB data collection and management	• Boot and float management • Charge current limit management • Temperature compensation • LVD • Battery test • Midpoint voltage • Capacity calculation • Peak cut • Lithium battery management	• Switch according to battery capacity • Switch according to battery voltage • DG test • Remaining fuel calculation	• Energy input priority management • Rectifier energy saving management • Rectifier rotation

Alarms/Events

• SPD alarm • Digital input alarm • Load fuse alarm • Manual mode alarm • Current imbalance • Ambient temperature alarm • Load disconnect • AC power failure	• Battery fuse alarm • Battery discharge • Battery test fail • Battery imbalance • Battery disconnect • Battery temperature sensor fault • Battery temperature alarm • BMS communication fail	• Rectifier AC input failure • Rectifier fault • Rectifier fan fault • Rectifier protection activated • Rectifier on/off status • Rectifier communication fail • System energy-saving mode • Energy-saving mode interruption	• Solar module communication fail • Solar module fault • Solar module fan fault • Solar module protection activated • Solar module on/off status • Solar module input failure • AC over voltage and under voltage • DC over voltage and under voltage
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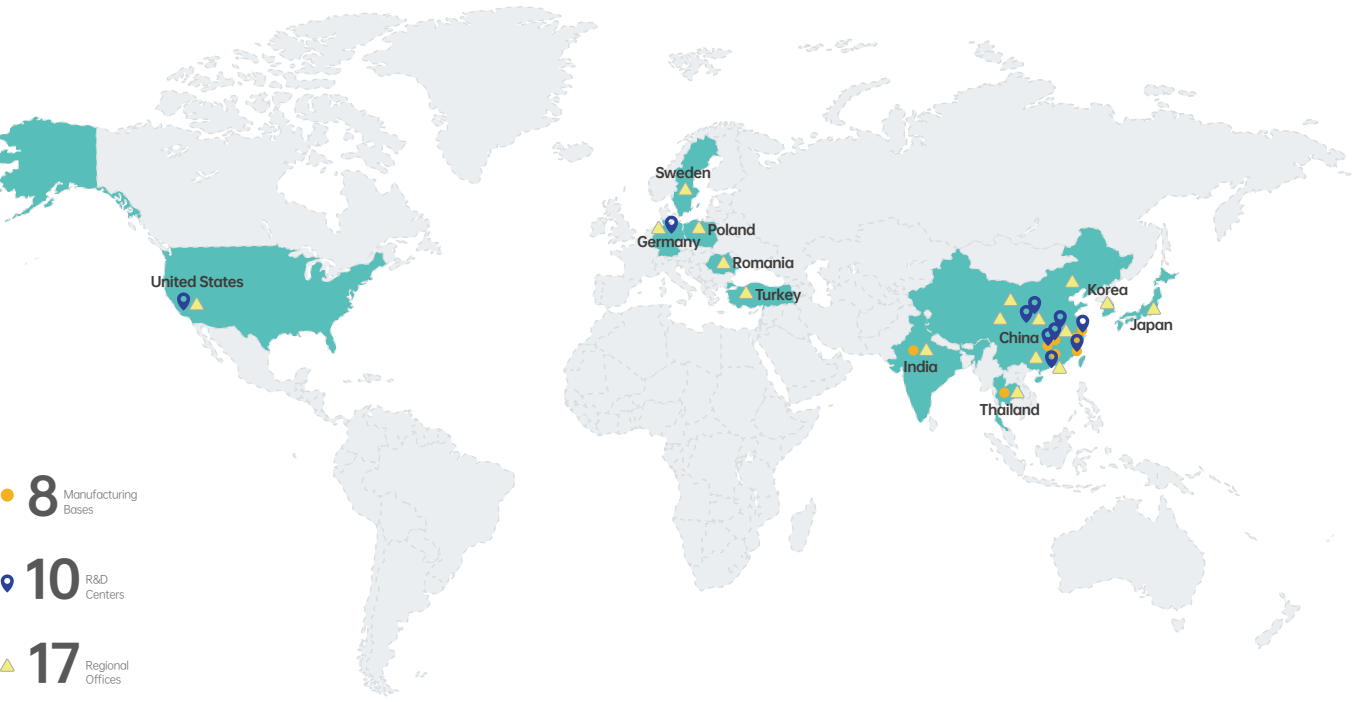
Model Specification Form of Megmeet Rectifier and Solar Module

Rectifier						
Model Name	MR4830N	MR482000HG	MR483000HG2B-GS	MR483000SHG2-GS	MR484000SG1-GS	MR484000SG2-GS
						
Operating Voltage	85 to 290VAC	85 to 290VAC	85 to 290VAC	85 to 290VAC	85 to 290VAC	85 to 290VAC
Maximum Input Current	12.00A	13.00A	18.00A	16.00A	26.00A	26.00A
Output Voltage Range	42 to 58VDC rated: 53.5VDC	42 to 58VDC rated: 53.5VDC	42 to 58VDC rated: 53.5VDC	42 to 58VDC rated: 53.5VDC	42 to 58VDC rated: 53.5VDC	42 to 58VDC rated: 53.5VDC
Maximum Capacity	1700W	2000W	3000W	3000W	4000W	4000W
Linear Power Derating	1766W (176 to 290VAC)	2000W (176 to 290VAC)	3000W (176 to 290VAC)	3000W (176 to 290VAC)	4350W (200 to 290VAC)	4350W (200 to 290VAC)
	800W (175 to 85VAC)	2000 to 830W (176 to 85VAC)	3000 to 1250W (175 to 85VAC)	3000 to 1250W (175 to 85VAC)	4000W (176 to 200VAC) 4000 to 1600W (176 to 85VAC)	4000W (176 to 200VAC) 4000 to 1600W (176 to 85VAC)
Maximum Output Current	33.00A	41.70A	56.10A	62.50A	81.30A	81.30A
Peak Efficiency	>94%	>96%	>96%	>98%	>96.5%	≥97%
Dimension (H x W x D)	41.5mm x 96.9mm x 230.1mm	41.5mm x 106.4mm x 291mm				
Certification E Safety	 EN62368-1; IEC62368-1	 UL62368-1; EN62368-1; IEC62368-1				
EMC	EN55032 class A EN55035 IEC61000-3-2 IEC61000-3-3	EN55032 class B EN55035 IEC61000-3-2 IEC61000-3-3	EN55032 class B EN55035 IEC61000-3-2 IEC61000-3-3	EN55032 class B EN55035 IEC61000-3-11 IEC61000-3-12	EN55032 class B EN55035 IEC61000-3-11 IEC61000-3-12	EN55032 class B EN55035 IEC61000-3-11 IEC61000-3-12

Solar Module		
Model Name	MS483000HG	MS483000SG1
		
Operating Voltage	120 to 420VDC	58 to 165VDC
Maximum Input Current	17.00A	46.00A
Output Voltage Range	42 to 58VDC, rated: 54.5VDC	43.2 to 58VDC, rated value is 54.5VDC
Maximum Capacity	3000W	3000W
Linear Power Derating	3000W(200 to 420VDC); 3000 to 1800W(200 to 120VDC)	3000W(70 to 165VDC); 3000 to 1508W(70 to 58V)
Maximum Output Current	62.50A	52.00A
Peak Efficiency	>96%	>97%
Dimension(H x W x D)	41.5mm x 106.4mm x 291mm	41.5mm x 106.4mm x 291mm
Certification E Safety	 EN62368-1、IEC62368-1	Designed according to IEC/EN62109-1, IEC/EN62368-1 standards
EMC	EN55032 CE class B; RE EN55035; IEC61000-3-2; IEC61000-3-3	EN55032 RE class A

GLOBAL FOOTPRINT

With 8 R&D centers, 10 manufacturing bases, and 17 regional offices worldwide, Megmeet ensures quick delivery and localized support. Our global network spans key markets, enabling us to provide efficient and reliable solutions tailored to diverse customer needs.



Our overseas marketing network ensures close proximity to customers, enhancing collaboration and responsiveness. From China to Germany, Thailand, and the United States, our infrastructure exemplifies our commitment to innovation and operational excellence. Trust Megmeet for scalable, efficient, and reliable solutions across diverse industries.

