

Proposal No: ETP-TC-018-002

Embedded Subrack Proposal

Model: IPU418K-A5D689

Feb/24/2025

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Features

- Comply IEC61439-1
- Support smart DCDU
- Rectifier and controller support hot swappable



Specifications

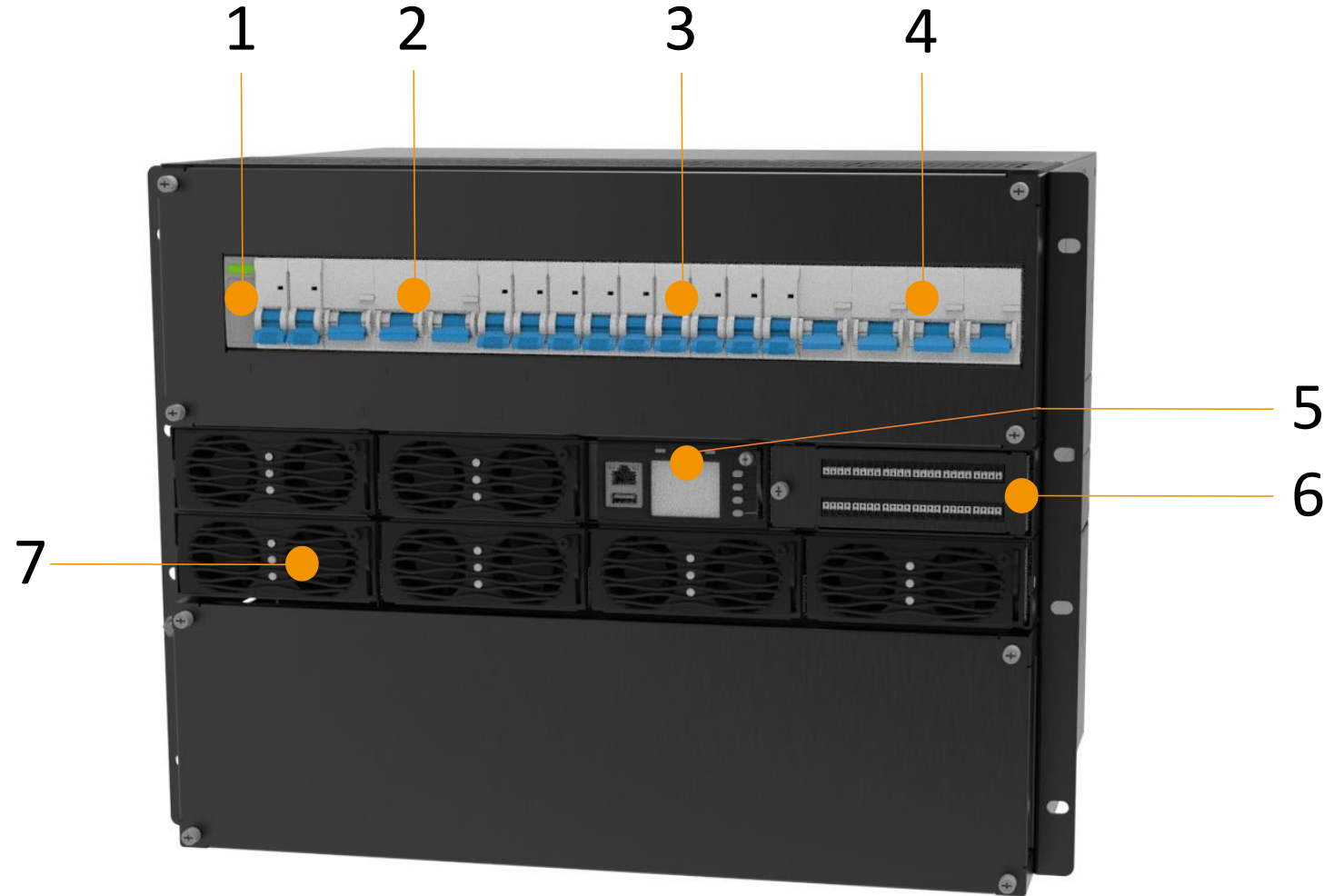
Input Distribution	Input mode	380VAC three-phase
	Input breaker	(Option)
	Input frequency	45~65Hz, rated value: 50Hz/60Hz
	AC SPD	None
DC Output Distribution	Output voltage	-42~-58VDC, rated value: -53.5VDC
	Maximum capacity	18kW
	Battery breakers	4×125A/1P
	Load breakers	LLVD:2*63A/1P,3*125A/1P BLVD:5*20A/1P,4*40A/1P
	DC SPD	20kA/40kA,8/20μs
Controller	DI/DO	3AI(3 temp) ,8 DI,8 DO,3 Southbound RS485,1 Northbound RS485,1 12V
Environment	Operating temperature	-40°C~+65°C
	Operating humidity	5%~95%(non-condensing)
	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.)



System Layout

➤ Key Parameters:

1. DC SPD
2. LLVD MCB
3. BLVD MCB
4. BATT MCB
5. Controller
6. DI/DO Interface
7. Rectifier

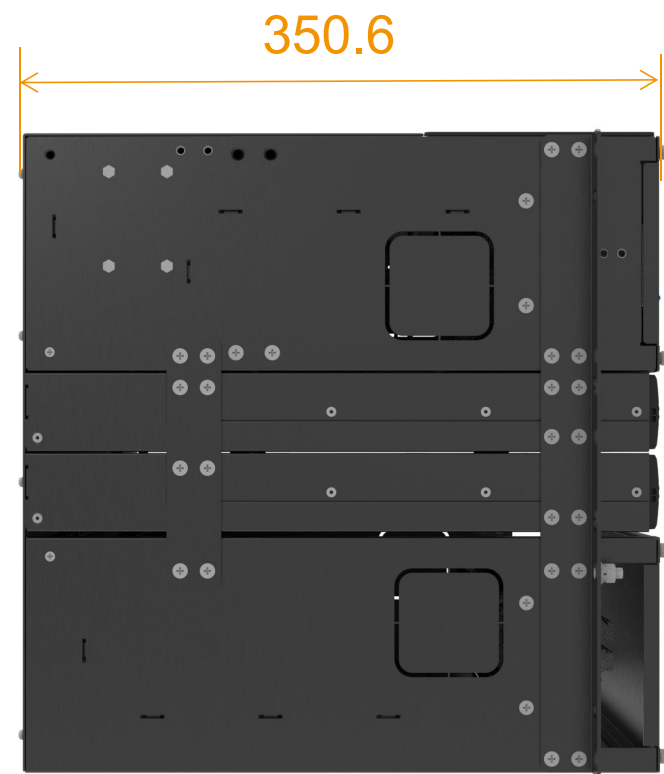
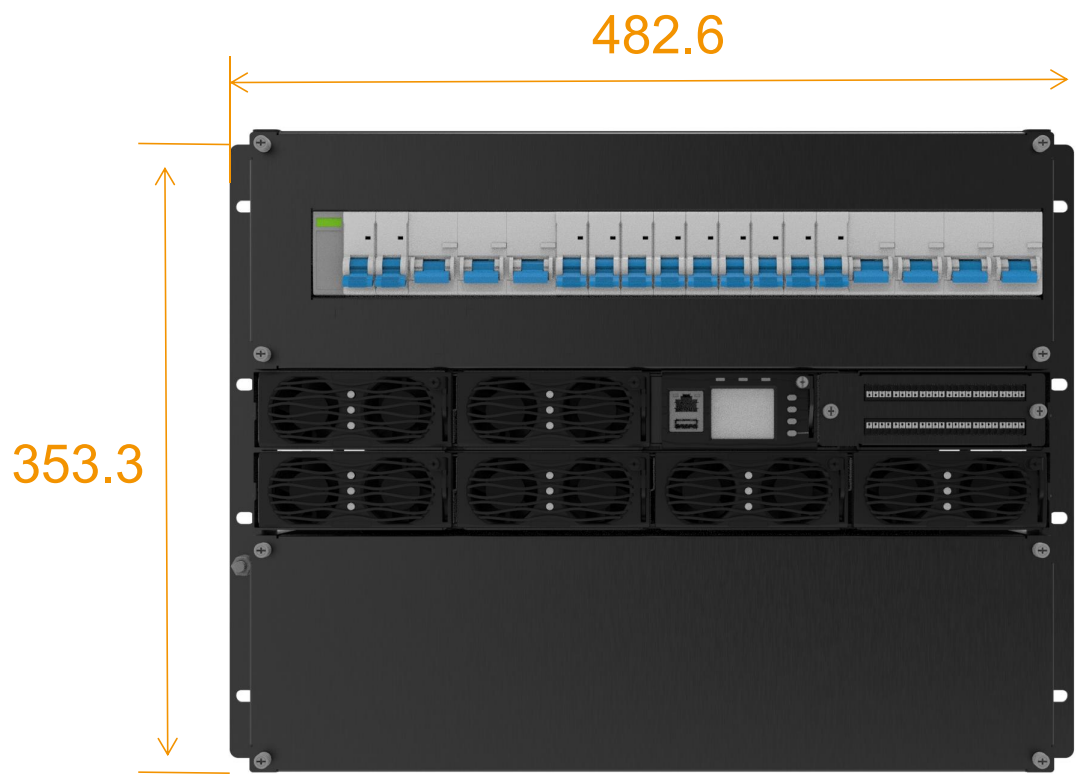




System Dimension(Unit: mm)

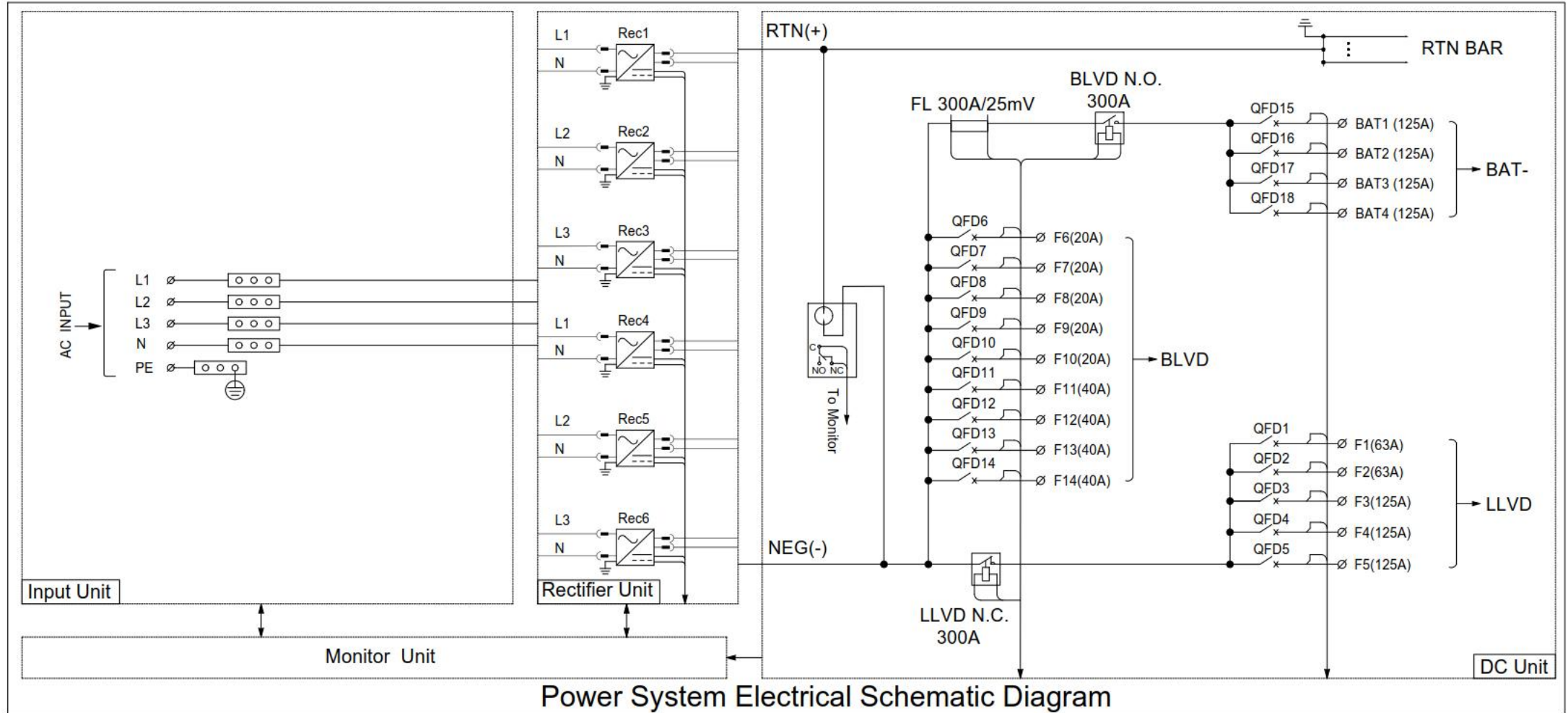
➤Key Parameters:

- 8U Height, 19" installation;
- Depth: 350.6mm;
- Front inlet and outlet





Electrical Schematic diagram





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