

M-CRPS™ (Modular Common Redundant Power Supply)

Revolutionizing Datacenter Power

MEGMEET delivers advanced power solutions that span the full spectrum of communications infrastructure high-efficiency modules for networking equipment to fully integrated turnkey datacenter systems. Purpose-built for performance, our products offer exceptional power density, reliability, and energy efficiency to support critical applications across core routers, edge devices, and hyperscale environments. With compact designs and long-term durability, MEGMEET empowers networks and datacenters to achieve superior system performance while minimizing operational costs and environmental impact.



About MEGMEET

MEGMEET is a \$1.2B global power and energy company specializing in high-efficiency power solutions for datacenters, eMobility, healthcare, industrial automation and renewable energy. With R&D, manufacturing facilities and global operations across North America, India, Thailand, China and Germany, MEGMEET is Engineered to Empower™ the future of datacenter and networking power.



21%
YoY Revenue Growth



10
R&D Centers



9
Manufacturing Centers



23%
R&D Staff



13,000+
Total Employees



1,990+
No. of Patents & IP Rights

CRPS™ and M-CRPS™ Series

Modular Common Redundant Power Supply Platform for Scalable Infrastructure

The Most Economical and Widely Adopted Power Platform for Networking Equipment

MEGMEET's CRPS™ and M-CRPS™ Series represent the industry's most common and cost-effective power solutions for networking infrastructure. Engineered for high performance, these modular, hot-swappable units deliver exceptional power efficiency and density ideal for space-constrained environments.

Equipped with comprehensive protection features including OCP, OVP, OTP, and SCP, the series ensures robust system safety and reliability. All products meet the latest global safety and EMC standards, with certifications and declarations from UL, CE, TÜV, CCC, and CQC.

Widely deployed across applications such as:

- Core and edge networking equipment
- Enterprise and hyperscale data centers
- Server and storage systems
- AIoT platforms and smart edge devices
- Workstations and high-performance computing
- Telecom infrastructure and industrial computing
- Embedded systems and control platforms

With proven reliability and scalable architecture, MEGMEET's CRPS™ / M-CRPS™ Series empowers modern networks and intelligent systems to operate efficiently, safely, and economically.



Key Features

- 80 PLUS Titanium
- Full digital power supply
- Intel standard CRPS™ form factor
- High power density
- EEPROM for FRU data
- Closed Loop System Throtting (CLST)
- Support PMBus 1.2
- Internal ORing
- Smart ON (Cold redundancy)
- Support N+1 Redundancy
- Reverse airflow option
- Smart ride through
- Bootloader
- Black box recorder
- Active power factor correction
- Meet IEC 60950 / 62368

MCRPS™ Ruby 4500 to 5500 Watts

Power	4500 W	5500 W
Parameter	MM4500AOR54WS00	MC5500HOR54WL00
Dimension (D x W x H)	185 × 73.5 × 40 (mm)	265 × 73.5 × 40 (mm)
Input Voltage	90 to 264 VAC / 180 to 320 VDC	90 to 305 VAC / 180 to 320 VDC
Output Voltage	54 V / 12 VSB	
Output Current	84 A / 3 A	102 A / 3 A
Frequency	47 to 63 Hz	
Efficiency	80 PLUS Ruby	
Operating Temperature	-5 °C to +55 °C	
Operating Humidity	5% to 85%	
Surger Voltage	CM ±2 kV / DM ±2 kV, Criteria A	
Heat Dissipation	Force air cooling	
Wind Direction	Air flows from the gold finger to the AC inlet	
Redundancy	1+1, 2+1, 3+1, N+N	
Hot Plug	Y	
EDPP	Y	
Altitude	3050 m	
Ripple & Noise	540 / 120 mV pk-pk	
Voltage Stabilization Accuracy	+/-3%	
EMI	Class A with 6 dB	
Protection	UVP, OVP, OCP, SCP, OTP	
Safety Standard	CB, UL, CQC, UKCA, BSMI, TÜV, BIS, KC	CB, UL, CE, CQC, UKCA, BSMI, BIS, KC
IEC	62368 / 60950	
Environment	RoHS	
Communication Protocol	PMBus1.2	

CRPS™ Ruby 4500 to 5500 Watts

Power	4500 W	5500 W
Parameter	MC4500AOR54WS00	MC5500HOR54WL00
Dimension (D x W x H)	185 × 73.5 × 40 (mm)	265 × 73.5 × 40 (mm)
Input Voltage	90 to 264 VAC / 180 to 320 VDC	90 to 305 VAC / 180 to 400 VDC
Output Voltage	50 V / 12 VSB	
Output Current	84 A / 3 A	110 A / 3 A
Frequency	47 to 63 Hz	
Efficiency	80 PLUS Ruby	
Operating Temperature	-5 °C to +55 °C	
Operating Humidity	5% to 85%	
Surger Voltage	CM ±2 kV / DM ±2 kV, Criteria A	
Heat Dissipation	Force air cooling	
Wind Direction	Air flows from the gold finger to the AC inlet	
Redundancy	1+1, 2+1, 3+1, N+N	
Hot Plug	Y	
EDPP	Y	
Altitude	3050 m	
Ripple & Noise	500 / 120 mV pk-pk	
Voltage Stabilization Accuracy	+/-3%	
EMI	Class A with 6 dB	
Protection	UVP, OVP, OCP, SCP, OTP	
Safety Standard	CB, UL, CQC, UKCA, BSMI, TÜV, BIS, KC	CB, UL, CE, CQC, UKCA, BSMI, BIS, KC
IEC	62368 / 60950	
Environment	RoHS	
Communication Protocol	PMBus1.2	

CRPS™ Titanium 800 to 3300 Watts

Power	800 W	1300 W	1600 W	2200 W	2700 W	3300 W
Parameter	CRPS800AOT	CRPS1300AOT	CRPS1600AOT	CRPS2200AOT	CRPS2700AOT	CRPS3300AOT
Dimension (D x W x H)	185 x 73.5 x 40 (mm)					
Input Voltage	90 to 264 VAC / 180 to 320 VDC					
Output Voltage	12 V / 12 VSB					
Output Current	67 A / 3 A	108 A / 3 A	133 A / 3 A	183 A / 3 A	225 A / 3 A	275 A / 3 A
Frequency	47 to 63 Hz					
Efficiency	80 PLUS Titanium					
Operating Temperature	-5 °C to +55 °C					
Operating Humidity	5% to 85%					
Surger Voltage	CM ±2.6 kV / DM ±1.3 kV					
Heat Dissipation	Force air cooling					
Airflow Direction	Air flows from the gold finger to the AC inlet					
Redundancy	1+1, 2+1, 3+1, N+N					
Hot Plug	Y					
EDPP	Y					
Altitude	5000 m					
Ripple & Noise	12 V-120 mVp-p / 12 VSB 120 mVp-p					
Voltage Stabilization Accuracy	+/-5%					
EMI	Class A with 6 dB					
Protection	UVP, OVP, OCP, SCP, OTP					
Safety Standard	CB, UL, CE, CQC, UKCA, BSMI, BIS					
IEC	62368 / 60950					
Environment	RoHS					
Communication Protocol	PMBus1.2					

MCRPS™ Titanium 2700 to 4000 Watts

Power	2700 W		3300 W		4000 W
Parameter	MCRPS2700AOT		MCRPS3300AOT		MCRPS4000AOT
Dimension (D x W x H)	185 x 73.5 x 40 (mm)				265 x 73.5 x 40 (mm)
Input Voltage	90 to 264 VAC / 180 to 320 VDC				90 to 305 VAC / 180 to 320 VDC
Output Voltage	12 V / 12 VSB	54 V / 12 VSB	12 V / 12 VSB	54 V / 12 VSB	12 V / 12 VSB
Output Current	225 A / 3 A	50 A / 3 A	275 A / 3 A	61 A / 3 A	328 A / 3.5 A
Frequency	47 to 63 Hz				
Efficiency	80 PLUS Titanium				
Operating Temperature	-5 °C to +55 °C				
Operating Humidity	5% to 85%				
Surger Voltage	CM ±2.5 kV / DM ±1.5 kV, Criteria A				CM ±4 kV / DM ±2 kV, Criteria A
Heat Dissipation	Force air cooling				
Airflow Direction	Air flows from the gold finger to the AC inlet				
Redundancy	1+1, 2+1, 3+1, N+N				
Hot Plug	Y				
EDPP	Y				
Altitude	3150 m				5000 m
Ripple & Noise	120 mV pk-pk	540 mV pk-pk	120 mV pk-pk	540 mV pk-pk	120 mV pk-pk
Voltage Stabilization Accuracy	+/-3%				+/-5%
EMI	Class A with 6 dB				
Protection	UVP, OVP, OCP, SCP, OTP				
Safety Standard	CB, UL, CE, CQC, UKCA, BSMI, BIS, KC				
IEC	62368 / 60950				
Environment	RoHS				
Communication Protocol	PMBus1.2				

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CRPS™ Platinum 800 to 2200 Watts

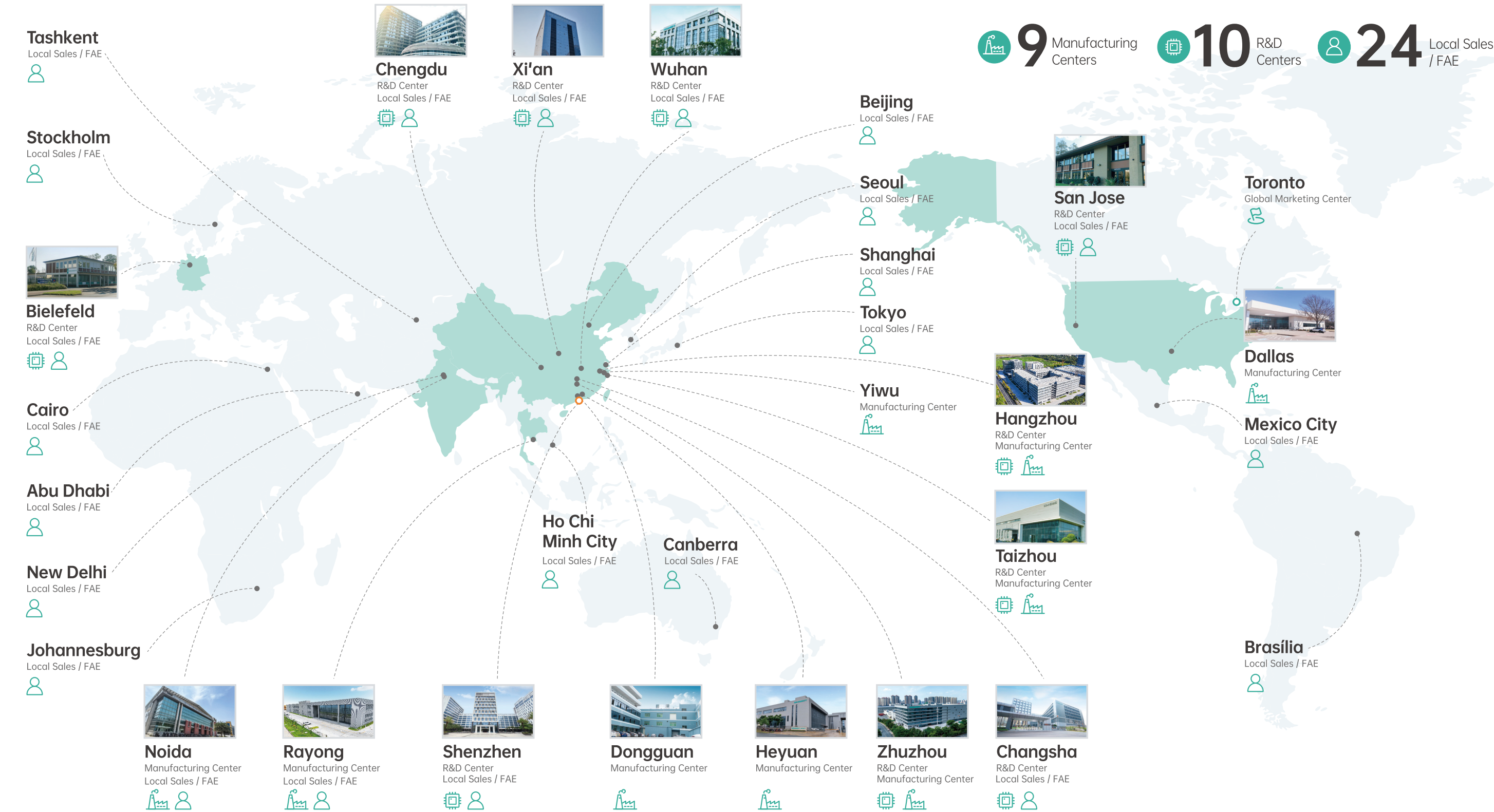
Power	800 W	1300 W	1600 W	2200 W
Model	MEG-CRPS800AOP	MEG-CRPS1300AOP	MEG-CRPS1600AOP	MEG-CRPS2200AOP
Dimension (D x W x H)	185 x 73.5 x 40 (mm)			
Input Voltage	90 to 264 VAC / 180 to 320 VDC			
Output Voltage	12 V / 12 VSB			
Output Current	66 A / 2.5 A	108 A / 3 A	133 A / 2.5 A	183 A / 3 A
Frequency	47 to 63 Hz			
Efficiency	80 PLUS Platinum			
Operating Temperature	-5 °C to +55 °C			
Operating Humidity	5% to 85%			
Surger Voltage	CM ± 2.5 kV / DM ± 1.5 kV, Criteria A			
Heat Dissipation	Force air cooling			
Airflow Direction	Air flows from the gold finger to the AC inlet			
Redundancy	1+1, 2+1, 3+1, 2+2			
Hot Plug	Y			
Altitude	5000 m			
Ripple & Noise	120 mVp-p			
Voltage Stabilization Accuracy	+/-5%			
EMI	Class A with 6 dB			
Protection	UVP, OVP, OCP, SCP, OTP			
Safety Standard	CB, UL, CE, CCC, TÜV	CB, UL, CE, CCC, TÜV	CB, UL, CE, CCC, TÜV	CB, UL, CE, CQC, TÜV
IEC	62368 / 60950			
Environment	RoHS			
Communication Protocol	PMBus1.2			

Global Infrastructure for Scalable Engineering Solutions

MEGMEET operates a robust global framework comprising 10 advanced R&D centers, 9 vertically integrated manufacturing facilities, and 24 strategically positioned regional offices. This infrastructure enables accelerated product development cycles, optimized supply chain logistics, and region-specific engineering support. Our distributed architecture ensures low-latency response times, seamless integration with local standards, and scalable deployment across diverse industrial and commercial applications.

Global Engineering & Field Application Support Network

MEGMEET's international engineering infrastructure is built to enable close technical collaboration and on-site application expertise. With design and support centers in China, Germany, Thailand, and the United States, we ensure rapid integration of customer requirements into product architecture, efficient validation in real-world environments, and agile adaptation to regional standards. Our global presence empowers field application engineers to deliver scalable, reliable, and performance-optimized solutions across a wide range of industries.



Power Solutions

- ☐ Telecom Power
- ☐ Medical Power
- ☐ Display Power
- ☐ Enclosed Power
- ☐ LED Power
- ☐ Laser Power
- ☐ OA Power
- ☐ Electric Power
- ☒ Datacenter and Networking Power Solutions
- ☐ Solar & BESS & EV Charging Solution
- ☐ Bi-directional Inverters for Portable Power

Industrial Automation

- ☐ Servo System
- ☐ Control System
- ☐ Elevator Controller
- ☐ Linear Motors
- ☐ IoT Solution
- ☐ Encoder
- ☐ Variable Frequency Drive
- ☐ Internal Gear Pump

eMobility & EV Infrastructure

- ☐ Integrated Charging System (OBC & DC-DC)
- ☐ Power Electronic Unit (2-in-1, 3-in-1)
- ☐ E-Compressor
- ☐ TV EDU
- ☐ Inverter
- ☐ Construction Machinery Controller
- ☐ Intelligent Active Hydraulic Suspension (i-AHS)
- ☐ Railway A/C Controller
- ☐ Railway VFD
- ☐ Thermal Mgmt. System
- ☐ Light Electric Vehicle Motors, Inverters, and Charging System

Intelligent Equipment

- ☐ Intelligent Welding
- ☐ Electric Submersible-Progressing Cavity Pump
- ☐ Industrial Microwave
- ☐ Polysilicon Water Quenching Equipment
- ☐ Automatic Car Washing Machine
- ☐ Intelligent Lifting Devices

Consumer and Lifestyle Electronics

- ☐ Residential A/C Controller
- ☐ Commercial A/C Controller
- ☐ Heat Pump Controller
- ☐ Vehicle A/C Controller
- ☐ Solar A/C Controller
- ☐ Mini Compressor Controller
- ☐ Refrigerator Controller
- ☐ Washer/Dryer Controller
- ☐ Residential Microwave
- ☐ Industrial Microwave
- ☐ Smart Bidet
- ☐ RF Thawing System
- ☐ FFC
- ☐ FPC
- ☐ Coaxial Cable
- ☐ CCS
- ☐ Litz Wire
- ☐ Peek Wire

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MEGMEET reserves the right to modify the technical parameters and appearance of the products in this catalogue without prior advice to the users.

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