



GT-PDU Series Intelligent Power Distribution Unit



It provides abundant interfaces and management functions for fully-intelligent PDUs. With rich configurations and complete features, users can select corresponding products according to actual requirements. It is suitable for industries such as medium-to-large-scale data centers and integrated computer rooms.

GT-PDU Series

Featuring intelligent network management, encryption, isolation and remote upgrade

High-Precision
Dual-Precision Metering

Color LCD

SNMPv3 Encryption

IPv6 Supported

Online Upgrade

Accurate PUE Calculation

High Performance Specs

High-Precision Per-Outlet Energy Metering

It adopts high-performance dual-precision computing to provide highly accurate energy metering and power factor data for each individual socket.

Intuitive Color LCD Display

Color LCD intuitively shows voltage, current, power factor, energy, IP address temperature & humidity, CAN/485 address and more.

Real-Time Data Monitoring & Curve Display

Efficient data processing provides real time electrical parameters. Per-outlet monitoring supports real-time power data and curve display.

Secure Remote Outlet Control

Per-outlet control via HTTP, SNMP, SSH with SSL encryption for safe and reliable remote switching.

Flexible Outlet Group Management

Supports dynamic grouping of outlets with customizable group members.

Accurate PUE Calculation

Enables precise PUE calculation to optimize energy consumption, balance loads and cut costs. Ideal for medium-large data centers and integrated computer rooms.

Customizable Alarm Function

Users set alarm thresholds.

Local and remote real-time alarms prevent circuit overload risks.

Advanced Timing & Logic Control

Independent switching, schedule and intelligent control by current/temperature thresholds.

Parameter copy and 20 custom timing modes for complex control.

Sequential Power-on Delay

Customizable power-on interval avoids overload and surge current for stable load operation.

Electrical Isolation & Hardware Grouping

Supports user-defined outlet grouping. Hardware divided into 3 groups of 8 outlets each; 3-phase PDUs feature electrical isolation per 8 outlets.

Multiple Secure Access Modes

Configurable via Web, SNMP, SSH, Telnet for easy operation and integration.

Isolated Sensors & Serial Interfaces

Equipped with isolated temperature/humidity sensors, I/O ports, CANbus and RS485.

Supports data collection and secondary development.

Comprehensive Network Service Features

IPv6 Compliance

Native support for IPv6 protocol.

Secure HTTPS Administration

HTTPS access with TLS 1.2-based encryption and authentication.

HTTP supports TLS 1.0 and above for robust security.

SNMP v3 Agent

Integrated SNMP v3 Agent with DES/AES authentication and MD5/SHA private encryption.

Enables seamless secondary development and integration with third-party data center management software, with SNMP v3 encryption enhancing overall security and reliability.

Telnet & SSH Access

Command-line management via Telnet and SSH, with SSH providing secure encrypted communication.

Flexible Outlet Group Management

Supports dynamic grouping of outlets with customizable group members.

Built-in Network Firewall

Features packet filtering and anti-PING protection to strengthen network security posture.

NTP Time Synchronization

Network time synchronization ensures accurate device timestamping when connected to the network.

Operational, Event & Energy Logging

Stores operational logs, event logs and energy-use records. Event logs track user actions and alarms.

Security & Stability

Network Security

Supports TLS 1.2 encryption & authentication, and encrypted SNMPv3 communication with selectable cipher suites.

SSH CLI access, SSL-encrypted email alerts, and built-in network firewall are available.

Electrical Safety

All external sensor and communication ports are galvanically isolated to improve electrical performance and data transmission security.

State-Preserving Recovery

Retains previous operating status after power failure or fault for quick restoration.

Up-to-date System Security

Powered by Linux Kernel 4.0+ and latest encryption libraries, fixing most known system vulnerabilities.

On-Board Firmware Upgrade

Supports online firmware updates for customized applications and lower maintenance costs.



Figure 1-1: Horizontal-Mount PDU



Figure 1-2: Vertical-Mount 24-Outlet PDU (Single-Phase/Three-Phase)



Figure 1-3: Vertical-Mount 20-Outlet PDU



Figure 1-4: Vertical-Mount 16-Outlet PDU

Classification of Intelligent Functions

Classification Dimension	Options
Intelligent Type	Network-based Smart Type, Serial-port Smart Type
Mounting Type	Horizontal Mount, Vertical Mount
Input Current	16A / 32A / 63A / 125A
Input Phase	Single-Phase 220Vac, Three-Phase 380Vac
Number of Output Outlets	Standard 8-port, 16-port, 20-port, 24-port, etc.
Outlet Rated Current	10A or 16A
Outlet Specifications	IEC C13, C19, Chinese 3-pin, European Standard, US Standard, etc.

Main Function Comparison Table

Main Functions	Total Monitoring Type	Total + Individual Monitoring Type	Total Monitoring + Individual Control Type
Input Energy Monitoring	●	●	●
Input Voltage Monitoring	●	●	●
Input Current Monitoring	●	●	●
Input Power Monitoring	●	●	●
Input Power Factor Monitoring	●	●	●
Input Frequency Monitoring	●	●	●
Temperature & Humidity Monitoring	●	●	●
Dry-contact Input Detection	●	●	●
Relay-linked Alarm Output	●	●	●
Per-outlet Output Current Monitoring	—	●	●
Per-outlet Output Power Monitoring	—	●	●
Per-outlet Output Current Upper/Limit Setting	—	●	●
Per-outlet Energy Metering	—	●	●
Per-outlet On/Off Control	—	—	●

Appearance

Horizontal-Mount Type (Single-Phase):

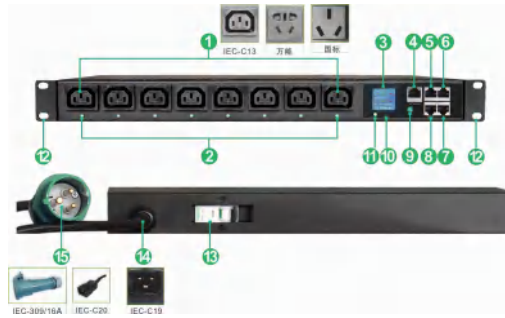


Figure 2-1 Appearance of Horizontal-Mount Single-Phase PDU

No.	Description	No.	Description
1	Standard: 8×10A IEC C13 (overseas) / Chinese 3 pin (domestic); Customizable non standard options	9	Screen Flip Key
2	8-Outlet Status Indicators	10	Reset Key
3	Color LCD Display	11	Operation Indicator
4	NET 10/100M Ethernet Port	12	Mounting Brackets (Left/Right, Front/Rear)
5	Input 485/CANBUS Port	13	16A/1P Input Switch (Optional)
6	Output 485/CANBUS Port	14	PDU Input Terminal or IEC C19
7	I/O Port	15	Standard: Custom overseas output (cable excluded), Chinese 3 pin for domestic Optional: IEC 309 industrial connector for input, etc.
8	SENSOR Port (Temperature&Humidity Port)		

Note: 9 input output configurations available for horizontal mount PDUs.

Vertical-Mount Type (Single-Phase):

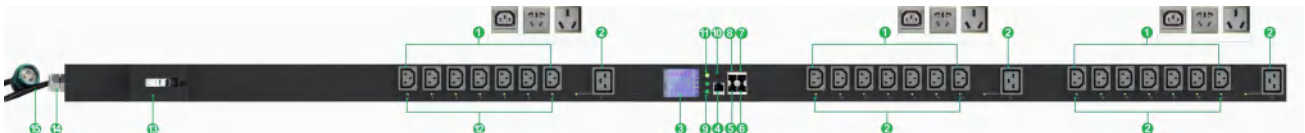


Figure 2-2 Appearance of Vertical-Mount Single-Phase PDU

No.	Description	No.	Description
1	24-Outlet: Standard: 21×10A IEC C13 (overseas) / Chinese 3-pin (domestic) 20-Outlet: Standard: 16×10A IEC C13 (overseas) / Chinese 3-pin (domestic) 16-Outlet: Standard: 12×10A IEC C13 (overseas) / Chinese 3-pin (domestic)	9	Confirm & Screen Flip Key
2	24-Outlet: 3×16A IEC C19 (overseas) / Chinese 3-pin (domestic) 20-Outlet: 4×16A IEC C19 (overseas) / Chinese 3-pin (domestic) 16-Outlet: 4×16A IEC C19 (overseas) / Chinese 3-pin (domestic)	10	Reset Key
3	2.4 inch Color LCD Display	11	Operation Indicator
4	NET 10/100M Ethernet Port	12	Per Outlet Status Indicators
5	Input 485/CANBUS Port	13	16A/1P or 32A/2P Input Switch (Optional)

6	Output 485/CANBUS Port	14	PDU Input Terminal
7	I/O Port	15	Standard: Custom overseas output (cable excluded), domestic Chinese 3-pin Optional: 16A IEC-309 industrial input connector, etc.
8	SENSOR Port (Temperature & Humidity Port)		

Vertical-Mount Type (Three-Phase):

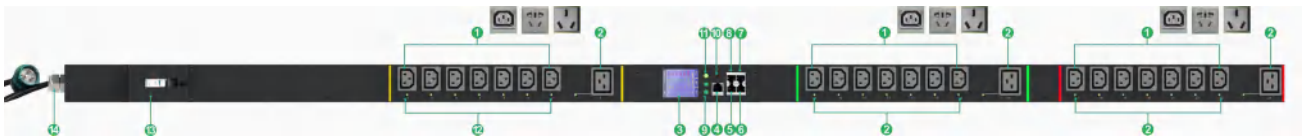


Figure 2-3 Appearance of Vertical-Mount Three-Phase PDU

No.	Description	No.	Description
1	Standard: 3-phase output, 7×10A IEC C13 per phase (overseas); 7×10A Chinese standard sockets per phase (domestic)	9	Confirm & Screen Flip Key
2	Standard: 3-phase output, 1×16A IEC C19 per phase (overseas); 1×16A Chinese 3-pin socket per phase (domestic)	10	Reset Key
3	2.4 inch Color LCD Display	11	Operation Indicator
4	NET 10/100M Ethernet Port	12	Per-Outlet Status Indicators
5	Input 485/CANBUS Port	13	16A/3P or 32A/3P Input Switch (Optional)
6	Output 485/CANBUS Port	14	PDU Input Terminal
7	I/O Port	15	Standard: Input terminal block (power cable excluded) Optional: 32A IEC-309 industrial connector for input
8	SENSOR Port (Temperature&Humidity Port)		

Remote Monitoring

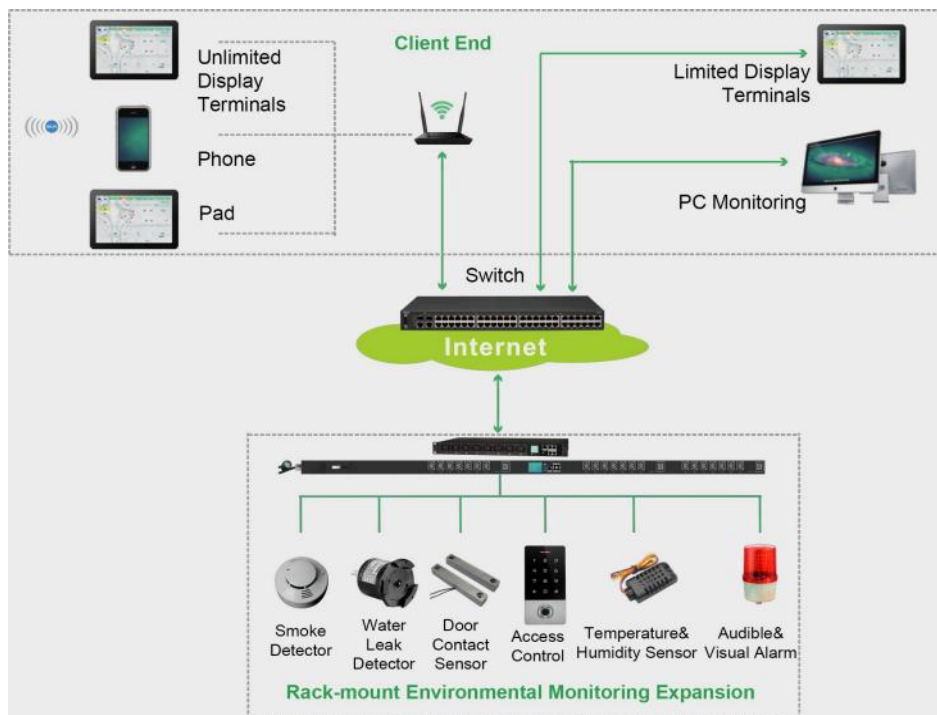


Figure 3 GT-PDU Remote Monitoring Topology Diagram

Product Naming Rules

PDU Naming Rules, e.g.: GT-PDU42-63F24C

GT	PDU	4	2	-	63	F	24	C	/		
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Non-standard Markings (e.g. 110V/60Hz)
 No Mark: Sheet Metal; "X" = Profile Material
 Socket Type: I=IEC C13, C=Chinese Standard 3-pin, T = Non-standard
 24=24-Outlet, 20=20-Outlet, 16=16-Outlet, 08=8-Outlet
 L=With Input Cable, F=Without Input Cable
 16 = 16A, 32 = 32A, 63 = 63A
 1 = Vertical-Mount Single-Phase; 2 = Vertical-Mount Three-Phase
 3 = Horizontal-Mount Single-Phase
 1 = Non-smart; 2 = Network-based Total Monitoring; 3 = Network-based Total + Individual Monitoring
 4 = Network-based Total Monitoring + Individual Control; 5 = Serial-port Total Monitoring
 Socket-type Power Metering Device
 Manufacturer Brand

Product Naming Rules

Main Parameter Table of Horizontal-Mount 8-Outlet Smart PDU (Single-Phase)

Category	
Applicable Type	Total Monitoring Type, Total+Individual Monitoring Type, Total Monitoring+Individual Control Type
Output	
Rated Output Voltage	220Vac
Overload Protection	Available
Max Total Current Consumption	16A
Output Connection	Standard: 8-outlet IEC C13 for overseas; 8-outlet Chinese standard 3-pin for domestic Non-standard: Customizable (e.g. US standard)
Input	
Rated Input Voltage	220Vac
Input Frequency	50/60Hz
Input Terminal Type	Standard: Customer specified for overseas; Chinese standard 3 pin for domestic Non standard: Customizable (e.g. IEC 309 32A 2P+E, CN, US, EU, UK standards)
Cable Length	2.5 m
Acceptable Input Voltage	100~250Vac (Max 125Vac for US sockets)
Number of Power Cables	1 (Optional)
Load Capacity	4000VA(250Vdc)
Max Input Current	16A
Max Circuit Current	16A

Specification	
Height	44mm, 4.4cm(excluding wiring terminals)
Width	436mm, 43.6cm (excluding mounting brackets)
Depth	168mm, 16.8cm(excluding 39mm hollow-out protrusion)
Mounting Hole Spacing	460mm, 46.0cm(including mounting brackets)
Net Weight	2.9kg
Gross Weight	3.6kg
Shipping Height	120mm / 12.0cm
Shipping Width	500mm / 50.0cm
Shipping Depth	400mm / 40.0cm
Housing Material	SGCC Sheet Metal
Color	RAL 9005 Black
Environment	
Operating Temperature	-5 ~ 55°C
Operating Relative Humidity	5-95%
Operating Altitude	0-3000m, no power derating
Storage Temperature	-25~ 75°C
Storage Relative Humidity	5-95%
Storage Altitude	0-5000m
Compliance	
Standard Warranty	2-year maintenance service

Note: The above parameters are for reference only and subject to change due to technical upgrades.

Please consult online customer service for actual product parameters.

SGCC refers to hot dip galvanized steel sheet: S-Steel, G-Galvanized, C-Cold-rolled, C-Common grade.

It features rust resistance, corrosion resistance and excellent weatherability.

Main Parameter Table of Vertical-Mount 24-/20-/16-Outlet Smart PDU (Single-Phase)

Type			
Applicable Type	Total Monitoring Type, Total +Individual Monitoring Type, Total Monitoring+Individual Control Type	Total Monitoring Type	Total Monitoring Type, Total +Individual Monitoring Type, Total Monitoring+Individual Control Type
Output			
Number of Output Outlets	24 outlets	20 outlets	16 outlets
Rated Output Voltage	220Vac		
Overload Protection	Available		
Max Total Current Consumption	16/32A		
Output Connection	Standard: Overseas: 21×IEC C13, 3×IEC C19 Domestic: 21×10A Chinese standard 3-pin, 3-16A Chinese standard 3-pin Non-standard: Customizable	Standard: Overseas: 16×IEC C13, 4×IEC C19 Domestic: 16×10A Chinese standard 3-pin, 4×16A Chinese standard 3-pin Non-standard: Customizable	Standard: Overseas: 12×IEC C13, 4×IEC C19 Domestic: 12×10A Chinese standard 3-pin, 4×16A Chinese standard 3-pin Non-standard: Customizable
Input			
Rated Input Voltage	220Vac		
Input Frequency	50/60Hz		
Input Terminal Type	OT-type Terminal		

Cable Length	Optional (per customer requirements; standard: 2.5m)	
Acceptable Input Voltage	100~250Vac (Max 125Vac for US-standard sockets)	
Number of Power Cables	Optional (per customer requirements; standard: 1 piece)	
Load Capacity	4000VA/8000VA (250Vac)	
Max Input Current	16/32A	
Max Circuit Current	16/32A	
Physical Parameters		
Height	1829mm / 182.9cm (excluding wiring terminals)	1450mm/145cm (excluding wiring terminals, for IEC international / Chinese 3-pin & 5-pin sockets)
Width	60mm,6.0cm	
Depth	55mm / 5.5cm (excluding 39mm hollow,out protrusion)	
Net Weight	8.23kg	6.83kg
Gross Weight	10.5kg	8.8kg
Shipping Height	2038mm,203.8cm	1660mm,166.0cm
Shipping Width	162mm,16.2cm	
Shipping Depth	118mm,11.8cm	
Housing Material	SGCC Sheet Metal	
Color	RAL 9005 Black	
Environment		
Operating Temperature	-5~55°C	
Operating Relative Humidity	5~95%	
Operating Altitude	0-3000m, no power derating	
Storage Temperature	-25~75°C	
Storage Relative Humidity	5-95%	
Storage Altitude	0-15000m	
Compliance		
Standard Warranty	2-year maintenance service	

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Main Parameter Table of Vertical-Mount 24-Outlet Smart PDU (Three-Phase)

Type	
Applicable Type	24-Outlet: Total Monitoring Type, Total+Individual Monitoring Type, Total Monitoring+Individual Control Type
Output	
Number of Output Outlets	24 outlets
Rated Output Voltage (per outlet)	220Vac
Overload Protection	Available
Max Total Current Consumption	32A × 3
Output Connection	Standard:Overseas: 3-phase output, 7×10A IEC C13 + 1×16A IEC C19 per phase Domestic: 3-phase output, 7×10A Chinese standard 3-pin + 1×16A Chinese standard 3-pin per phase Non-standard: Customizable
Input	
Rated Input Line Voltage	380Vac

Input Frequency	50/60Hz
Input Terminal Type	IEC30932A4P+E
Cable Length	2.5m
Acceptable Input Line Voltage	200-415Vac (Max phase voltage 125Vac for US-standard sockets)
Number of Power Cables	1 (Optional)
Total Load Capacity	23KVA(415Vac)
Max Input Current	32A × 3
Max Circuit Current	32A
Physical Parameters	
Height	1829mm / 182.9cm (excluding wiring terminals)
Width	60mm / 6.0cm
Depth	55mm / 5.5cm (excluding 39mm hollow-out protrusion)
Net Weight	8.23kg
Gross Weight	10.5kg
Shipping Height	2038mm, 203.8cm
Shipping Width	162mm, 16.2cm
Shipping Depth	118mm, 11.8cm
Housing Material	SGCC Sheet Metal
Color	RAL 9005 Black
Environment	
Operating Temperature	-5~55°C
Operating Relative Humidity	5~95%
Operating Altitude	0~3000m, no power derating
Storage Temperature	-25~75°C
Storage Relative Humidity	5~95%
Storage Altitude	0~15000m
Compliance	
Standard Warranty	2-year maintenance service

Note: The above parameters are for reference only and subject to change due to technical upgrades.
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SGCC refers to hot-dip galvanized steel sheet: S-Steel, G-Galvanized, C-Cold-rolled, C-Common grade.
It features rust resistance, corrosion resistance and excellent weatherability.

Main Parameter Table of Vertical-Mount High-Power Smart PDU (24-Outlet Single-Phase)

Type		
Applicable Type	24-Outlet: Total Monitoring Type, Total + Individual Monitoring Type, Total Monitoring + Individual Control Type	24-Outlet: Total Monitoring Type, Total + Individual Monitoring Type, Total Monitoring + Individual Control Type
Output		
Number of Output Outlets	24 outlets	
Rated Output Voltage	220Vac	
Overload Protection	Available	
Max Total Current Consumption	63A/125A	
Output Connection	Standard: Overseas: 12×IEC C13, 12×IEC C19 Domestic: 12×10A Chinese standard 3-pin, 12×16A Chinese standard 3-pin Non-standard: Customizable	Standard: Overseas: 0×IEC C13, 24×IEC C19 Domestic: 0×10A Chinese standard 3-pin, 24×16A Chinese standard 3-pin Non-standard: Customizable

Input		
Rated Input Voltage	220Vac	
Input Frequency	50/60Hz	
Input Terminal Type	OT-type Terminal	
Cable Length	Optional (per customer requirements; standard: 2.5m)	
Acceptable Input Voltage	100~250Vac (Max 125Vac for US-standard sockets)	
Number of Power Cables	Optional (per customer requirements; standard: 1 piece)	
Load Capacity	15.8KVA/31.2KVA (250Vac)	
Max Input Current	63A/125A	
Max Circuit Current	63A/125A	
Physical Parameters		
Height	1829mm / 182.9cm(excluding wiring terminals)	
Width	60mm / 6.0cm	85mm / 8.5cm
Depth	55mm / 5.5cm (excluding 39mm hollow-out protrusion)	95mm / 9.5cm (excluding 10mm hollow-out protrusion)
Net Weight	8.23kg	12.1kg
Gross Weight	10.5kg	15.2kg
Shipping Height	2038mm, 203.8cm	2038mm, 203.8cm
Shipping Width	162mm, 16.2cm	187mm, 18.7cm
Shipping Depth	118mm, 11.8cm	197mm, 19.7mm
Housing Material	SGCC Sheet Metal	
Color	RAL 9005 Black	
Environment		
Operating Temperature	-5-55°C	
Operating Relative Humidity	5-95%	
Operating Altitude	0 3000 m, no power derating	
Storage Temperature	-25-75°C	
Storage Relative Humidity	5-95%	
Storage Altitude	0-15000m	
Compliance		
Standard Warranty	2-year maintenance service	

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Please consult online customer service for actual product parameters.

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It features rust resistance, corrosion resistance and excellent weatherability.

Main Parameter Table of Vertical-Mount High-Power Smart PDU (24-Outlet Three-Phase)

Type		
Applicable Type	24-Outlet: Total Monitoring Type, Total+ Individual Monitoring Type, Total Monitoring+Individual Control Type	24-Outlet: Total Monitoring Type, Total+ Individual Monitoring Type, Total Monitoring+Individual Control Type
Output		
Number of Output Outlets	24 outlets	
Rated Output Voltage	220Vac	
Overload Protection	Available	
Max Total Current Consumption	63A×3 /125A×3	
Output Connection	Standard: Overseas: 12×IEC C13, 12×IEC C19 Domestic: 12×10A Chinese standard 3-pin, 12×16A Chinese standard 3-pin Non-standard: Customizable	Standard: Overseas: 0×IEC C13, 24×IEC C19 Domestic: 0×10A Chinese standard 3-pin, 24×16A Chinese standard 3 pin Non-standard: Customizable

Input		
Rated Input Voltage	380Vac	
Input Frequency	50/60Hz	
Input Terminal Type	OT-type Terminal	
Cable Length	Optional (per customer requirements; standard: 2.5m)	
Acceptable Input Voltage	200-415Vac (Max phase voltage 125Vac for US-standard sockets)	
Number of Power Cables	Optional (per customer requirements; standard: 1 piece)	
Load Capacity	47.4KVA/93.6KVA (415Vac)	
Max Input Current	63A×3 /125A×3	
Max Circuit Current	63A/125A	
Physical Parameters		
Height	1829 mm / 182.9 cm (excluding wiring terminals)	
Width	60mm, 6.0cm	85mm, 8.5cm
Depth	55mm / 5.5cm (excluding 39mm hollow-out protrusion)	95 mm / 9.5 cm (excluding 10 mm hollow out protrusion)
Net Weight	8.23kg	12.1kg
Gross Weight	10.5kg	15.2kg
Shipping Height	2038mm, 203.8cm	2038mm, 203.8com
Shipping Width	162mm, 16.2cm	187mm, 18.7cm
Shipping Depth	118mm, 11.8cm	197mm, 19.7mm
Housing Material	SGCC Sheet Metal	
Color	RAL 9005 Black	
Environment		
Operating Temperature	-5-55°C	
Operating Relative Humidity	5-95%	
Operating Altitude	0-3000m, no power derating	
Storage Temperature	-25-75°C	
Storage Relative Humidity	5-95%	
Storage Altitude	0-15000m	
Compliance		
Standard Warranty	2-year maintenance service	

Note: The above parameters are for reference only and subject to change due to technical upgrades.

Please consult online customer service for actual product parameters.

SGCC refers to hot-dip galvanized steel sheet: S-Steel, G-Galvanized, C-Cold-rolled, C-Common grade.

It features rust resistance, corrosion resistance and excellent weatherability.