Apsimoon Electric Pte Ltd is a wholly owned subsidiary of Top Electric (Tianjin) Co., Ltd. The company is established to improve overseas supporting services and expand overseas markets, selectively aiming at the data center, small industrial automation, and telecommunications companies, that have strong demand for the high-performance IT equipment.

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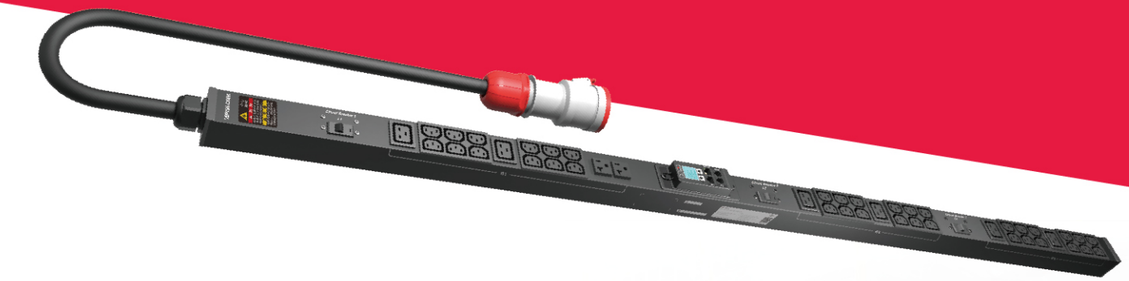
Input metered Rack PDU

PDU Products – Standard or Custom

Apismoon's input metered IP PDU includes energy metering with advanced power and environmental monitoring options. Metering at the phase input and internal circuit breaker levels allow comprehensive overload monitoring and advanced alerts, while billing-grade watt-hour metering provvides accurate power consumption data for energy use optimization and change management. Advanced network management features allow for a variety of remote access methods and integration with accessories including environmental monitoring and security access solutions.



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Input Metered PDU

485 Input Metered PDU can monitor the total power at the input of the PDU, transmit data using Modbus 485 and display data locally and on the network and provide rack-level monitoring. The following is the basic configuration table.

FUCTION	STYLE	CURRENT	VOLTAGE	PHASE	WIRES	POWER	OUTLETS	PLUG	SKU
Switched	Power Strip	16A	230V	1ph+N+PE	3	3.68kW	(21)C13, (3)C19	IEC 60309 316P6	AMM151658G
	Power Strip	16A	400V	3ph+N+PE	5	11.085kW	(21)C13, (3)C19	IEC 60309 516P6	AMM161659G
	Power Strip	16A	400V	3ph+N+PE	5	11.085kW	(36)C13, (6)C19	IEC 60309 516P6	AMM161681G
	Power Strip	32A	230V	1ph+N+PE	3	7.36kW	(21)C13, (3)C19	IEC 60309 332P6	AMM153286G
	Power Strip	32A	230V	1ph+N+PE	3	7.36kW	(36)C13, (6)C19	IEC 60309 332P6	AMM153253G
	Power Strip	32A	400V	3ph+N+PE	5	22.17kW	(36)C13, (6)C19	IEC 60309 532P6	AMM163288G

* Vertically Mounted

LCD

The monitored total load current, total voltage, total power, and total electric energy status can be checked through the LCD interface and button; Customers can also look at the PDU display content and main performance parameters through the web page

485 Metered PDU Controller

LCD

Key parameters are displayed locally .

RS 485 ports

RS485 ports can be configurated in a daisy chain manner that can manage up to 10 PDUs.

Hot-swap controller

It can be replaced by hot-swapping. Hot-swapping allows non-interrupted server operation during maintenance.

Self-Locking Outlets

Self-locking receptacles are available for various applications to eliminate accidental unplugging.

Communication protocol

At present, the data center adopts DCIM (Data Center Infrastructure Management) to centrally manage power, cooling, and environmental factors across facilities and IT systems. Intelligent PDU supports SNMP V1\V2\V3, Telent, Https, SSH, and others protocol, and users can remotely manage PDU through their DCIM.

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Nework metered PDU Controller

LCD

Key parameters are displayed locally. Knowledge of the power parmeters has be shown to increase system uptime and reliability.

Network and RS 485 ports

The 10\100 ethernet port and RS485 port can realize a variety of networking configurations, providing the most effective networking solution. The Link port and RS485 ports can be configurated in a daisy chain manner that can m anage up to 32 PDUs through a single IP address.

Sensor Ports

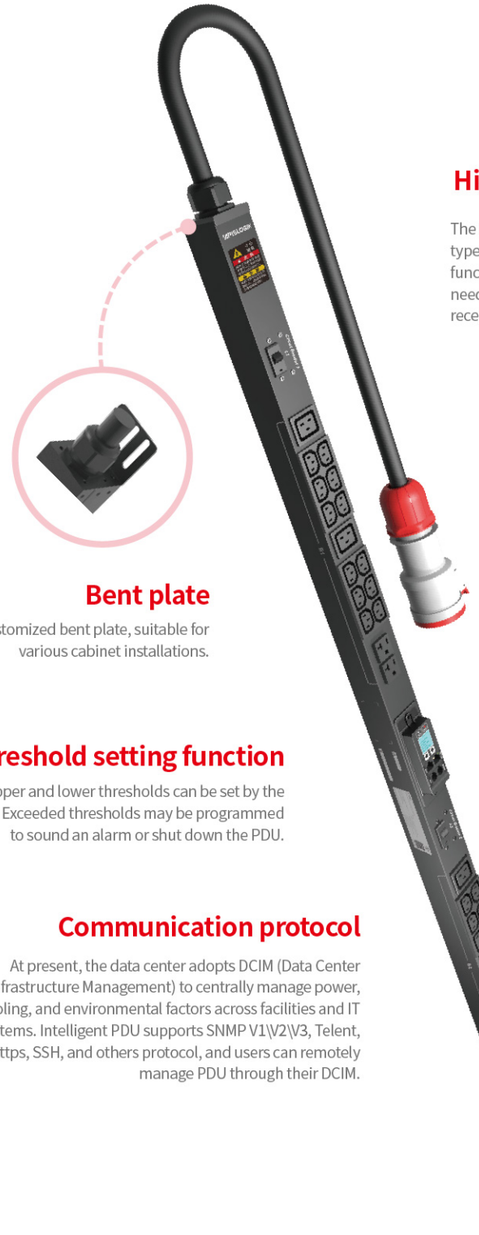
Optional temperature and humidity sensors can be added to monitor the server microenvironment.

Hot-swap controller

In case the intelligent meter is accidentally damaged, it can be replaced by hot-swapping. Hot-swapping allows non-interrupted server operation during maintenance.

Parameter Performance of Intelligent Controller

±1%	0.5°C	20	5%	300	Safe and reliable
Accuracy of current, voltage and power measurement	Temperature measurement accuracy	Cascade 1 master + 19 slaves	Humidity measurement accuracy	Millisecond response	Precision monitoring



Highly customized

The PDU can be highly customized, not only for any type and number of outlets but also for a variety of functional combinations to meet the customer's exact needs, such as with or without self-locking receptacles and more.

LCD

The monitored total load current, total voltage, total power, and total electric energy status can be checked through the LCD interface and button; Customers can also look at the PDU display content and main performance parameters through the web page

Bent plate

Customized bent plate, suitable for various cabinet installations.

Front Panel

The PDU adopts a laser-cut panel to provide excellent mechanical strength and ensure a perfect fit to safely house live internal electrical circuits. A strong, well fitted front panel improves the PDU reliability and allows for customization flexibility.

Threshold setting function

The upper and lower thresholds can be set by the user. Exceeded thresholds may be programmed to sound an alarm or shut down the PDU.

Color management

Effective color management is carried out by matching the outlet color codes to the parameters on the display (also color coded). The color codes for the outlet can be per outlet group or for each individual outlet as defined by the user.

Communication protocol

At present, the data center adopts DCIM (Data Center Infrastructure Management) to centrally manage power, cooling, and environmental factors across facilities and IT systems. Intelligent PDU supports SNMP V1\V2\V3, Telent, Https, SSH, and others protocol, and users can remotely manage PDU through their DCIM.

Aluminum alloy shell

High-strength aviation aluminum material is adopted, which is safe and reliable while ensuring lightweight design.

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Environment and Security Management

Apismoon has advanced environment and safety management system, effectively integrated room monitoring system, can real-time monitor temperature and humidity, smoke, water leakage, access control and other. In addition, Apislogik has developed and pioneered a variety of composite functions, including switch functional integration, microenvironment control and asset management, to achieve a variety of customer customization complex needs.

UL Product List

FUCTION	STYLE	CURRENT	VOLTAGE	PHASE	WIRES	POWER	OUTLETS	PLUG	SKU
Network Metered	Power Strip	16A	230V	1ph+N+PE	3	3.68kW	(21)C13, (3)C19	IEC 60309 316P6	AMN151658G
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* Vertically Mounted

Comparison of PDU Functions

FEATURES	BASIC	METERED	OUTLET METERED	OUTLET SWITCHED	OUTLET METERED & SWITCHED
Group	AMB0	AMN1	AMN5	AMN2	AMN6
Display		√	√	√	√
Daisy Chain		√	√	√	√
Network Port		√	√	√	√
USB Port			√	√	√
Breakers	√	√	√	√	√
User Access		√	√	√	√
Environmental Mon		√	√	√	√
Connectivity		√	√	√	√
Power Measurements		√	√	√	√
Measures Each Outlet			√		√
Custom Alarms		√	√	√	√
Remote Outlet Control				√	√
Power Sequencing				√	√

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