

Product Datasheet

Product Name: Metered by Outlet Rack PDU

SKU:AKN513001U

Product Code:K43JWG5-24B0034C1828HSS01-9QT

Overview

The Apislogik Metered by Outlet rack PDU can monitor input parameters in real-time, such as current, voltage, frequency, power factor, power load, energy measurement, temperature, and humidity. The voltage and current accuracy is $\pm 0.5\%$. The power and energy accuracy is $\pm 1\%$. The measured data can be transmitted via the network port.

Features

■ Input

Support for IEC 60309, NEMA, UK, SCHUKO, HARTING, TEC etc.

Output

Support for C13, C19, C39, NEMA, UK, SCHUKO, IEC self-locking socket.

Hydraulic magnetic circuit breaker

Stable operation in environments with a temperature of 140°F/60°C. Provides respective protection for each branch of output. (Note: Not all models provide hydraulic magnetic circuit breakers)

Hot-swap LED indicator lights

Customers can replace hot-swap LED indicator lights without powering off the system. (Note: Not all models have hot-swap LED indicator lights)

Mounting method

Toolless mounting peg and bracket mounting, two types of mounting options are available for selection.

Hot-swap network management controller

User is allowed for NMC replacement without power down of the PDU. Apislogik NMC supporting、IPV4、IPV6、SNMP V1, V2c, V3、HTTP/S、Modbus TCP、SSH、SSL to TLS 1.3 options.



Ports and Cascading

Apislogik Metered by Outlet Rack PDU provide 2 RJ45 port, 2 RJ11 port ,USB-A,USB-C. 2 RJ45 ports include two 1000M adaptive Ethernet ports and two 485 cascade ports. Allows 32 slaves to cascade or 1 master to 32 slaves to cascade. Maximum of 33 PDUs share one IP address.

The two RJ11 ports include 1 temperature and humidity sensor port, leakage sensor, smoke sensor and alarm port.

USB-C connect to laptop for quick configuration to set the data, USB-A port inset flash to batch upgrade firmware.

LCD display

graphical display, Allows local access, providing user interactive display of voltage, current or active power, alarms, configuration information, and more.

Alarms and logs

Apislogik Metered by Outlet Rack PDU provides real-time remote monitoring of connected loads. Configurable alarm thresholds that provide network and visual alarm to help avoid circuit overloads.

In the Logs are the events which have occurred most recently and the dates and times they occurred. A maximum of 10000 events are saved and shown at in the logs.

Specifications

| | Input Parameters |
|------------------------|-------------------------|
| Input voltage | 100-240 V AC;2W+G/W+N+G |
| Max current (phase) | 30A |
| Rate Current (Phase) | 24A |
| Input frequency | 50/60Hz |
| Power capacity | 5KW |
| Input plug | NEMA L6-30P |
| Input wire | (118.11in) 3*10AWG |
| | Output Parameters |
| Output voltage | 100-240 V AC |
| Max current(phase) | 30A |
| Rate Current (Phase) | 24A |
| Output frequency | 50/60Hz |
| Outlets | (34) C39 Self-locking |
| | Protective Device |
| Circuit breaker | 2*20A/2P |
| Hot-swap LED indicator | 34 |

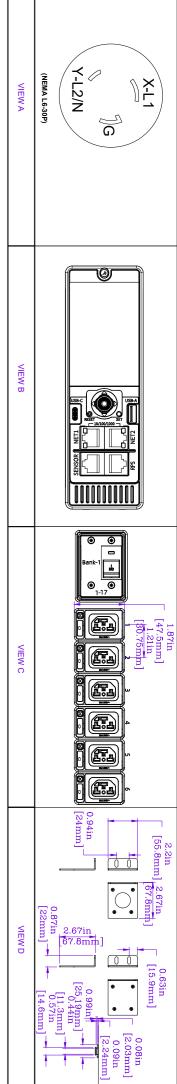


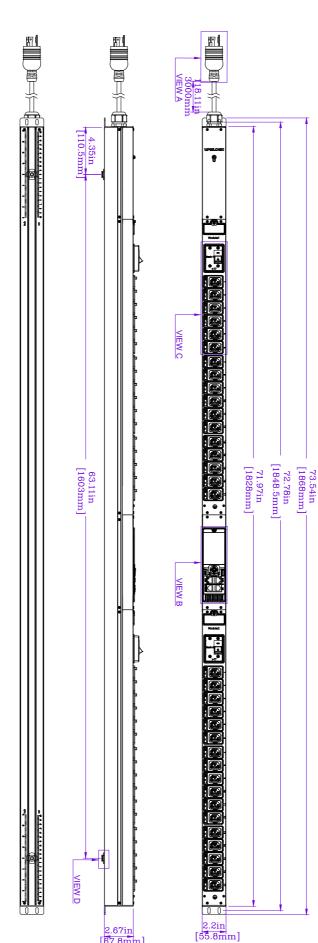
| | Physical Parameters |
|-----------------------------|---|
| Rack mount | 0U |
| Shell color | Black |
| Shell material | Aluminium Alloy |
| Power input method | Top feed |
| Mounting location | Dual-sided |
| Mounting mode | Bracket/Peg |
| Dimensions(H*W*D) | 71.97 in*2.20 in*2.67 in 1828 mm*55.8 mm*67.8 mm |
| Net weight | 17.2 lb 7.8 kg |
| Shipping | 82.68 in*3.43 in*4.53 in |
| dimensions(H*W*D) | 2100 mm*87 mm*115 mm |
| Env | vironmental Parameters |
| Operating elevation | 0-10000 ft 0-3000 m |
| Operation Temperature | 14°F~140 °F -10°C~60°C |
| Humidity(operation/storage) | 5-95%RH, non-condensing |
| Storage Temperature | -4°F~158 °F -20°C∼70 °C |
| Storage elevation | 0-50000 ft 0-15000 m |
| | Compliance |
| Certification | CE、REACH、RoHS |

^{*} Product Characteristics subject to change without prior notice.

^{*} Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | | Version | History | | |
|---------|---------------|---------|---------|----------|-----------|
| Version | Description | Draft | Review | Approval | Date |
| V1.2 | First version | LQ LI | NAN LI | YH CHEN | 15/5/2024 |
| | | | | | |





| DESCRIPTION | First edition | | |
|---|--------------------------|---|---|
| DRAWN | LQLI | | |
| DRAWN CHECKEN APP'D | NAN LI | | |
| APP'D | NAN LI YH CHEN 17/5/2024 | | |
| DATE | 17/5/2024 | | |
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| | C39:16A PER OUTLET | INPUT:100-240 V AC:2W+PE/W+N+PE;50/60H | Product Name: Melered by Outlet Rack PDU Input: 118.11in 3*10AWG Outlet: (34) C39 Self-locking Rack Unit: 0 Circuit Breaker: (2) 20A/2P Mounting Lc Enclosure Material: Aluminium Alloy Enclosure O |

REV.

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| One Motorial Aliminium Allow | uit Breaker: <u>(2) 20A/2P</u> | | et: (34) C39 Self-locking | it : 118.11in 3*10AWG | luct Name. Wetered by Outlet Nack F DO |
|------------------------------|--------------------------------|-------------|---------------------------|-----------------------|--|
| Endour | Mounting Lo | Incoming Me | Rack Unit: 0 | | |

| DUTLET |
|--------|
|--------|

SHEET 1 OF 2

PEV.



| 2.67in [67.8mm] | VIEW D | 0.87in 67.8mm |
|--------------------|--------|---|
| | | 0.99in [25,19mm] 0.44in [11.3mm] 0.57in [14.6mm] |
| | | <u> </u> |

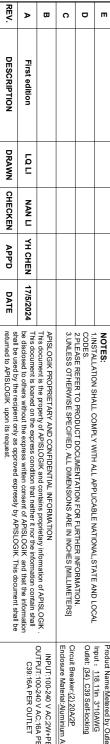
| - \frac{1}{2} | TATO SA A PA | ₩G ⊕ | G | | |
|---------------|--------------|--------------------------------------|-----------------------|---------------------|----|
| | TA ⊕81-52 | - k | 10AWG | 5 | |
| | | OUT CUT | 10AWG | - L _V N | |
| | | | | | |
| | | Current transformer Input /output | \$1/\$2 | landing | PE |
| | | Circuit breaker | СВ | jack | XS |
| | | Hot plug lightning protection | п | Intelligent meter | PA |
| | | Output | OUT | Current transformer | TA |
| | | Input | Z | Terminal blocks | XT |
| | | חמ | Symbol Interpretation | Symbo | |

14AWG

Module1

Module2

Note: The color of the connecting line is only for reference to the phase pole, and the actual color is subject to the actual material.



INPUT:100-240 V AC;2W+PEW+N+PE;50/60Hz;24A
OUTPUT:100-240 V AC;16A PER BANK;24A TOTAL
C38:16A PER OUTLET Outlet: (34) C39 Self-locking Rack Unit: 0U Incoming Mode: Top Feed Circuit Breaker.(2) 20A/2P Mounting Location: Dual-sided Enclosure Material: Aluminium Alloy Enclosure Color:Black Product Name:Metered by Outlet Rack PDU Input: 118.11in 3*10AWG
Outlet: (34) C39 SelFlocking Rack I



| | DWG NO. | SKU |
|---|---|--------------|
| | HW.045240517113 AKN513001U | AKN513001U |
| | MODEL K43JWG5-24B0034C1828HSS01-9QT | 1828HSS01-9Q |
| Ę | PRODUCT CODE | |
| è | KA3 IMG5_2AB003AC 1828H SS01_9OT | 182845501-90 |