Product Datasheet

Product Name: Switched Rack PDU

SKU:AKN233065U

Product Code:K44JWG7-24B0027C1828HSS01-9QT

Overview

The Apislogik Switched 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 ±0.5%. The power and energy accuracy is ±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 Switched 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 Switched 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.
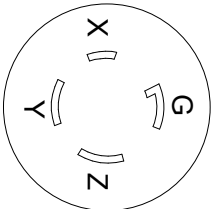
Specifications

Input Parameters	
Input voltage	208 V 3-phase;3W+G
Max current (phase)	30A
Rate Current (Phase)	24A
Input frequency	50/60Hz
Power capacity	8.6KW
Input plug	NEMA L15-30P
Input wire	(118.11in) 4*10AWG
Output Parameters	
Output voltage	208 V AC
Max current(phase)	30A
Rate Current (Phase)	24A
Output frequency	50/60Hz
Outlets	(27) C39 Self-locking
Protective Device	
Circuit breaker	3*20A/2P
Hot-swap LED indicator	27

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	17.4 lb 7.9 kg
Shipping dimensions(H*W*D)	82.68 in*3.43 in*4.53 in 2100 mm*87 mm*115 mm

Environmental 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

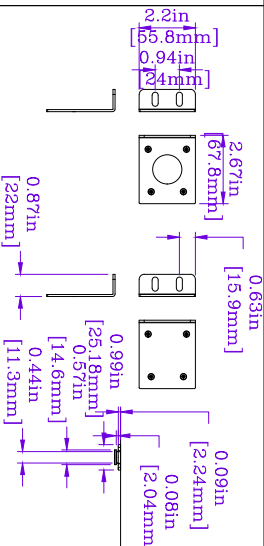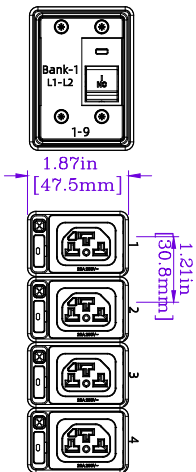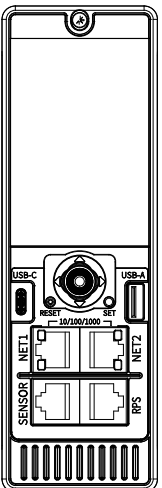## Compliance

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

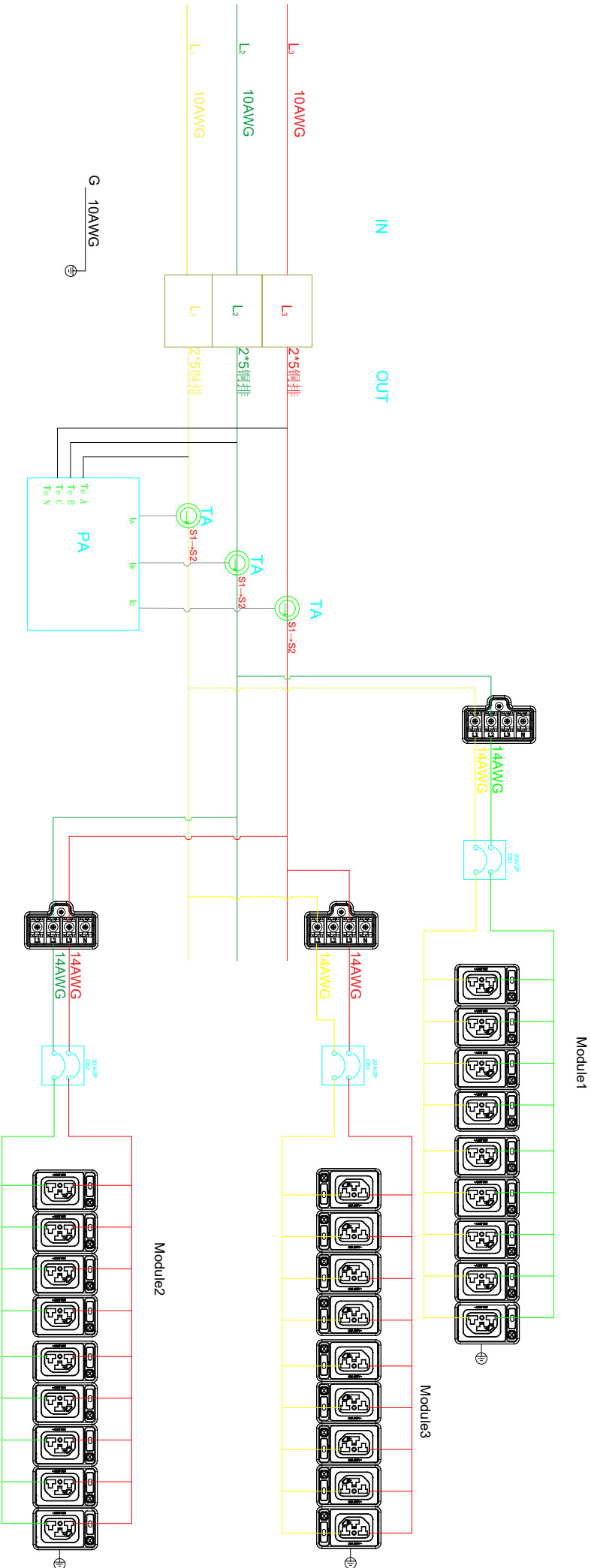**NOTES:**

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. PLEASE REFER TO PRODUCT DOCUMENTATION FOR FURTHER INFORMATION.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]

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REV.	DESCRIPTION	DRAWN	CHECKEN	APP'D	DATE
A	First edition	LQ LI	NAN LI	YH CHEN	17/5/2024
B					
C					
D					
E					

Product Name:Switched Rack PDU
Input : 118.11in 4*10AWG
Outlet: (27) C39 Self-locking
Circuit Breaker:(3) 20A/2P
Enclosure Material:Aluminium Alloy
INPUT:208 V 3-phase;3W+PE;50/60Hz;24A
OUTPUT:208 V AC;16A PER BANK;24A PER PHASE TOTAL
C39:16A PER OUTLET

Rack Unit: 0U
Incoming Mode:Top Feed
Mounting Location: Dual-sided
Enclosure Color:Black

DWG NO.	SKU
HW.0452405.17116	AKN233065U

MODEL
K44JWG7-24B0027C1828HSS01-9QT

PRODUCT CODE
K44JWG7-24B0027C1828HSS01-9QT

SHEET 1 OF 2

REV. A

VIEW A

(NEMA L15-30P)

VIEW B

VIEW C

VIEW D

VIEW A
3000mm
118.11in

VIEW B
73.54in [1868mm]
72.78in [1848.5mm]
71.97in [1828mm]

VIEW C

VIEW D
63.11in [1603mm]
4.35in [110.5mm]

2.67in [67.8mm]

2.2in [55.8mm]

USB-C   USB-A
RESET   SET
10/100/1000
NET1   NET2
SENSOR   S48

Bank-1
L1-L2
1-9
1.87in [47.5mm]
1.21in [30.8mm]

2.2in [55.8mm]
0.94in [24mm]
0.87in [22mm]
2.67in [67.8mm]
0.99in [25.18mm]
0.57in [14.6mm]
0.44in [11.3mm]
0.63in [15.9mm]
0.09in [2.24mm]
0.08in [2.04mm]

X   G   Y   Z

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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.

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Outlet: (27) C39 SelfIocking
Circuit Breaker:(3) 20A/2P
Enclosure Material:Aluminium Alloy

Rack Unit 0U
Incoming Mode:Top Feed
Mounting Location: Dual-sided
Enclosure Color:Black

INPUT:208 V 3-phase:3W+PE:50/60Hz:24A
OUTPUT:208 V AC:16A PER BANK:24A PER PHASE TOTAL
C39:16A PER OUTLET

DWG NO. HW.04524051 17 116
SKU AKN233065U
MODEL K44JWG7-24B0027C:1828HSS01-9QT
PRODUCT CODE K44JWG7-24B0027C:1828HSS01-9QT
DO NOT SCALE DRAWING
SHEET 2 OF 2
REV. A

Symbol Interpretation

XT	Terminal blocks	IN	Input
TA	Current transformer	OUT	Output
PA	Intelligent meter	F	Hot plug lighting protection
XS	jack	CB	Circuit breaker
PE	landing	S1/S2	Current transformer Input /output

Module1

Module2

Module3

IN

OUT

PA

G 10AWG

L₁ 10AWG
L₂ 10AWG
L₃ 10AWG

L₁ 2*5铜排
L₂ 2*5铜排
L₃ 2*5铜排

TA S1--S2
TA S1--S2
TA S1--S2

14AWG
14AWG