Product Datasheet

Product Name: Input Metered PDU

SKU:AKN103032U

MODEL:K12HTJ4-24S0024A1791EES01-2QT

Product Code:K12HTJ4-24S0024A1791EES01-2QT

Overview

The Apislogik Input metered 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 ±1%. The power and energy accuracy is ±2%. The measured data can be transmitted via the network port.

Features

■ Input

Support for IEC60309, 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 meter

Allows users to replace the NMM (Network Management Meter) without shutting down the PDU.
The NMM supports SNMP V1, V2, V3, HTTP, MODBUS, TELNET, WEB, encryption, password, and authorization options.

■ Ports and Cascading

Provides 2 RJ45 ports and 2 RJ11 ports.
The 2 RJ45 ports, one is a 10/100M port, supporting both Ethernet and RS485 with auto-negotiation. The other port is an RS485 cascading port, supporting 1 master and 19 slave devices to be connected in a cascade. Up to 20 PDUs can share a single IP address.
The 2 RJ11 ports consist of 1 temperature and humidity sensor port and 1 leak sensor or smoke sensor port.

■ LCD display

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

■ Alarms and logs

Provides real-time remote monitoring of the output power Load . Alarm thresholds can be configured, and both network and visual alarms are available. The logs include the most recent events along with their date and time of occurrence. Up to 100 events are stored and displayed in the logs.
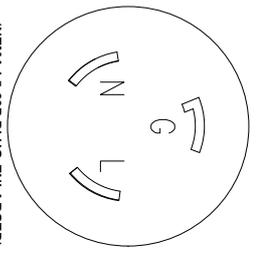
Specifications

Input Parameters	
Input voltage	100-120 V AC
Max current(phase)	30A
Rate current (phase)	24A
Input frequency	50/60Hz
Power capacity	2.9 KW
Input plug	NEMA L5-30P
Input wire	（118.11in）3*10AWG
Output Parameters	
Output voltage	100-120 V AC
Max current(phase)	30A
Rate current(phase)	24A
Output frequency	50/60Hz
Outlets	(24) NEMA 5-20R
Protective Device	
Circuit breaker	2*20A/1P
Physical Parameters	
Rack mount	0U
Shell color	Black
Shell material	Aluminum Alloy
Power input method	Top feed
Mounting location	Dual-sided
Mounting mode	Bracket / Peg

Dimensions(H*W*D)	70.51 in*2.19 in*1.93 in 1791 mm*55.5 mm*49 mm
Net weight	12.79 lb 5.8 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	FCC、UL、CUL、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
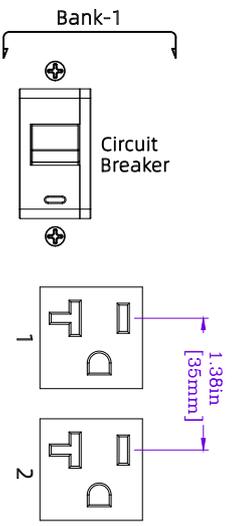
Version History					
Version	Description	Draft	Review	Approval	Date
V2.0	First version	NAN LI	LQ LI	YH CHEN	07/05/2024

REV.	DESCRIPTION	DRAWN	CHECKEN	APP'D	DATE
E					
D					
C					
B					
A	First edition	LQ LI	NAN LI	YH CHEN	8/5/2024

Product Name:Input Metered PDU		
Input Cable: 118.11 in 3*10AWG	Rack Unit: 0U	
Outlet (24) NEMA 5-20R	Incoming Mode:Top Feed	
Circuit Breaker:(2) 20A/1P	Mounting Location: Dual-sided	
Enclosure Material:Aluminium Alloy	Enclosure Color:Black	
INPUT:100-120 V AC:50/60Hz:24A		
OUTPUT:100-120 V AC:16A PER BANK;24A TOTAL		
5-20R:16A PER OUTLET		

APISLOGIK

DWG NO.	SKU
HW.0392405081O4	AKN103032U
MODEL	
K12HTJ4-24S00J24A1791EES01-2QT	
PRODUCT CODE	
K12HTJ4-24S00J24A1791EES01-2QT	
DO NOT SCALE DRAWING	REV. A
SHEET 1 OF 2	

VIEW A
(NEMA L5-30P PLUG-ENLARGED)
G N L
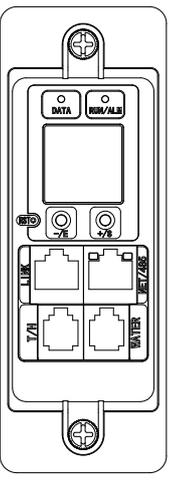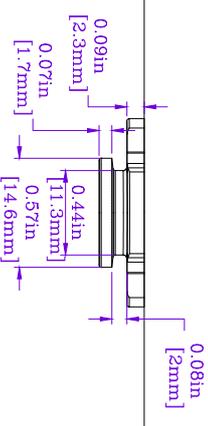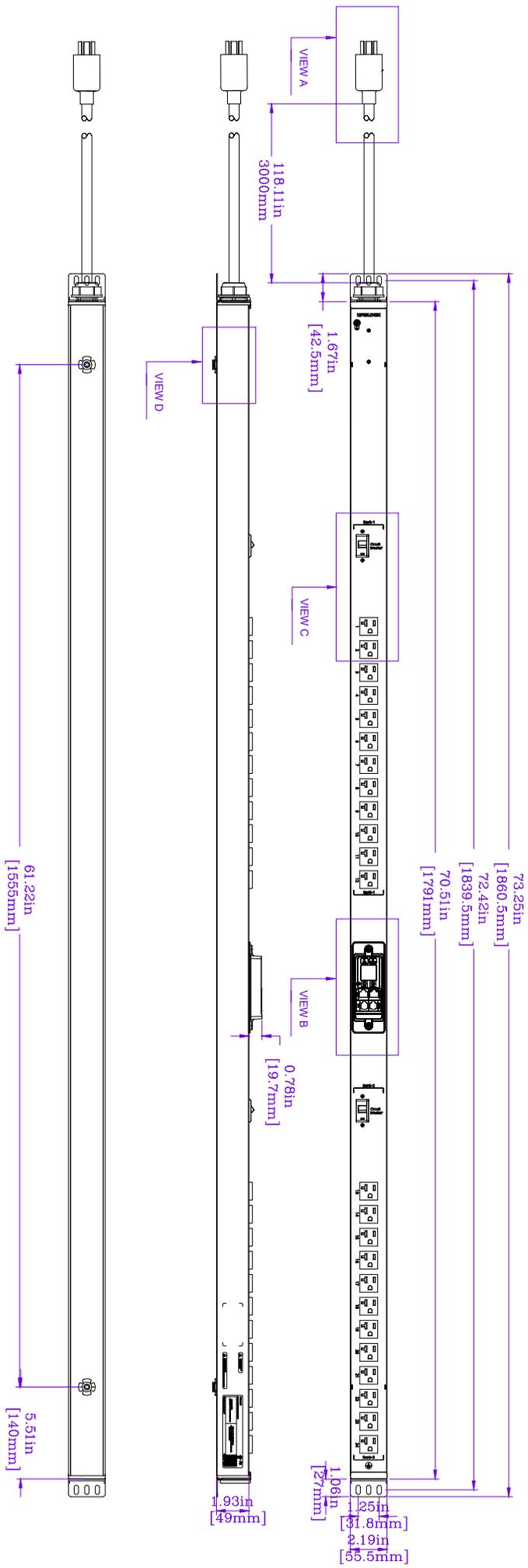
VIEW B

VIEW C
Bank-1
Circuit Breaker
1
2
1.38in [35mm]

VIEW D
0.09in [2.3mm]
0.07in [1.7mm]
0.44in [11.3mm]
0.57in [14.6mm]
0.08in [2mm]

VIEW A
118.11in 3000mm
1.67in [42.5mm]

VIEW D

VIEW C

VIEW B
0.78in [19.7mm]

73.25in [1860.5mm]
72.42in [1839.5mm]
70.51in [1791mm]

1.06in [27mm]
1.25in [31.8mm]
2.19in [55.5mm]

61.22in [1555mm]
5.51in [140mm]
1.93in [49mm]

Bank-1
Circuit Breaker

Symbol Interpretation

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

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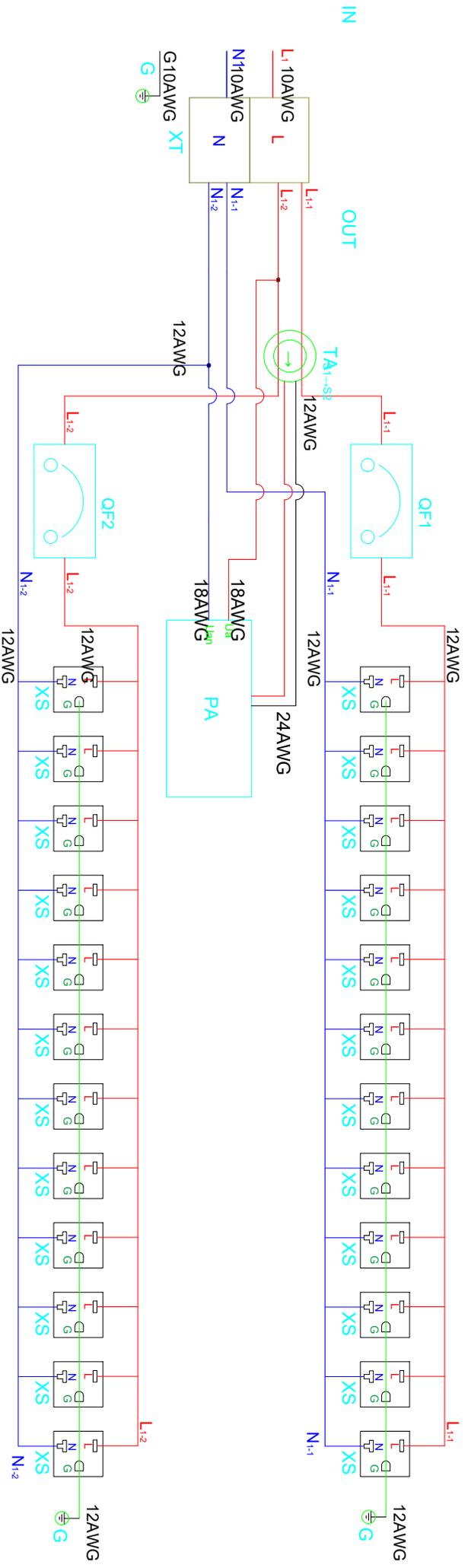
Note: The color of the connecting line is only for reference to the phase pole, and the actual color is subject to the actual material.

Product Name:Input Metered PDU
Input Cable：118.11 in 3*10AWG
Outlet：(24) NEMA 5-20R
Circuit Breaker:(2) 20A/1P
Enclosure Material:Aluminium Alloy

INPUT:100-120 V AC:50/60Hz:24A
OUTPUT:100-120 V AC:16A PER BANK:24A TOTAL
5-20R:16A PER OUTLET

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

REV.	DESCRIPTION	DRAWN	CHECKEN	APP'D	DATE
E					
D					
C					
B					
A	First edition	LQ LI	NAN LI	YH CHEN	8/5/2024

DWG NO.: HW.039240508104
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PRODUCT CODE: K12HT14-24S0024A1791EES01-2QT

DO NOT SCALE DRAWING

SHEET 2 OF 2

REV. A

IN
OUT
XT
G 10AWG
N 10AWG
L 10AWG

L1-1 10AWG
L1-1
L1-2
N1-1
N1-2

TA1-S2
QF1
QF2
PA
12AWG
18AWG
24AWG

XS
N G