Product Datasheet

Product Name: Input Metered PDU

SKU:AKN136067U

MODEL:K12HTJ7-48A3000A1829GES01-2QT

Product Code:K12HTJ7-48A3000A1829GES01-2QT

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

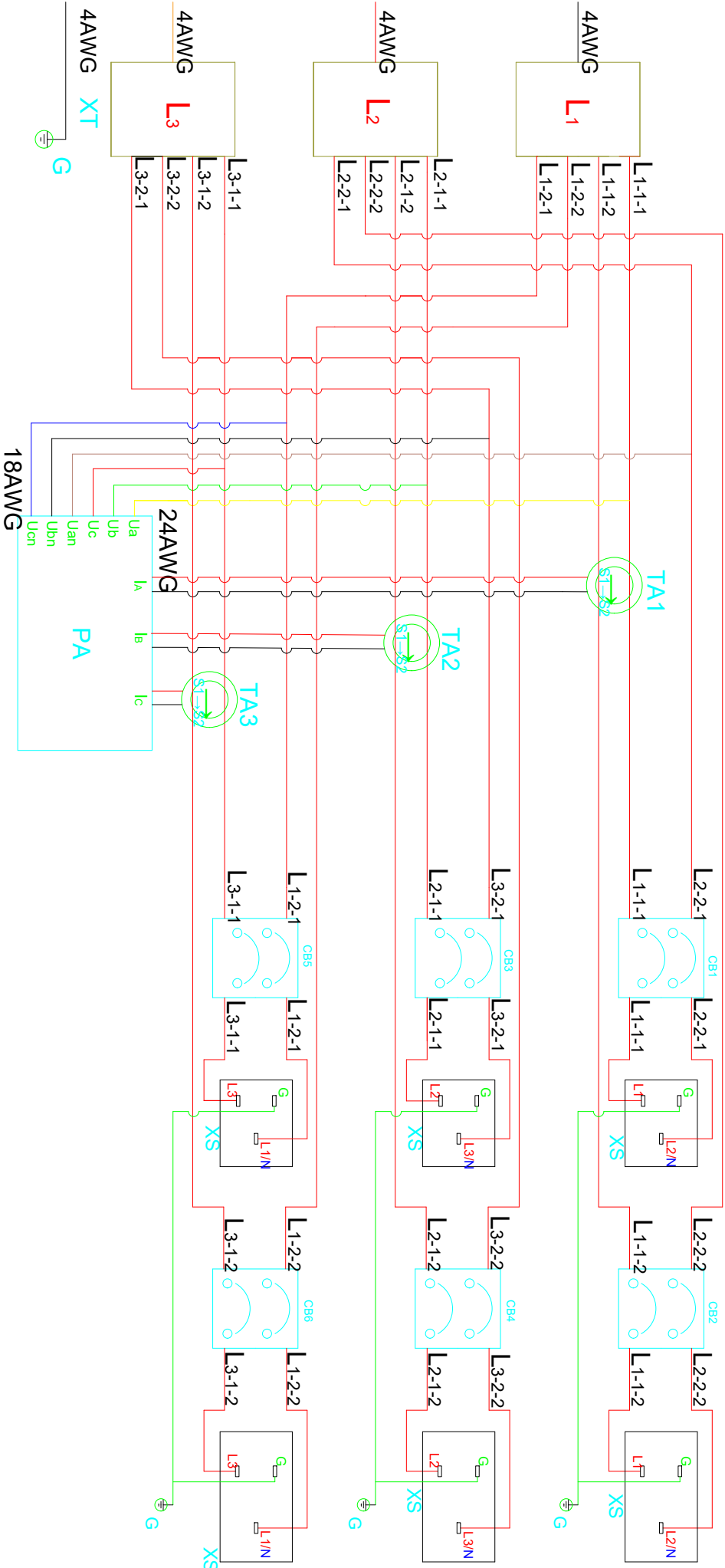| Input Parameters	
Input voltage	200-240 V 3-phase, 3W+ G
Max current(phase)	60A
Rate current (phase)	48A
Input frequency	50/60Hz
Power capacity	17 KW
Input plug	SCM460P9W
Input wire	（70.87in）4*4AWG
Output Parameters	
Output voltage	200-240 V AC
Max current(phase)	60A
Rate current(phase)	48A
Output frequency	50/60Hz
Outlets	(30) UL 320 C13
Protective Device	
Circuit breaker	6*20A/2P
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)	72.01 in*2.19 in*2.09 in 1829 mm*55.5 mm*53 mm
Net weight	18.3 lb 8.3 kg
Shipping dimensions(H*W*D)	84.65 in*7.68 in*5.00 in 2150 mm*195 mm*127 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

Revision Table

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 : 70.87 in 4*4AWG
Outlet: (30) UL 320 C13

Rack Unit: 0U
Incoming Mode: Top Feed
Circuit Breaker:(6) 20A/2P
Mounting Location: Dual-sided
Enclosure Color:Black

Enclosure Material:Aluminium Alloy

INPUT:200-240 V 3-PHASE:3W+PE:50/60Hz:48A
OUTPUT:200-240 V AC:16A PER BANK:48A PER PHASE TOTAL
C13:12A PER OUTLET :16A PER GANG

APISLOGIK

DWG NO.	HW.03924050810 1
SKU	AKN136067U
MODEL	K12HTJ7-48A3000A1829GES01-2QT
PRODUCT CODE	K12HTJ7-48A3000A1829GES01-2QT
SHEET 1 OF 2	DO NOT SCALE DRAWING
REV.	A

Dimensions
61.22in [1555mm]
5.51in [140mm]
2.09in [53mm]
0.78in [19.7mm]
70.87in 1800mm
1.67in [42.5mm]
74.74in [1898.5mm]
73.92in [1877.5mm]
72.01in [1829mm]
1.06in [27mm]
1.25in [31.8mm]
2.19in [55.5mm]

VIEW A
VIEW B
VIEW C
VIEW D

(SCM460P9W, 60A)
Y-L2 Z-L3 X-L1 G

DATA RUN/ALE
-7/E +7/8

Group-1 Bank-1
L1-L2
Circuit Breaker

1.28in [32.5mm]
L1-L2
Group-1 Bank-1
2.17in [55.1mm]

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

Group-1 Bank-1
L1-L3
Group-2 Bank-1
L1-L3
Group-3 Bank-1

Symbol Interpretation

Symbol	Name	Symbol	Meaning
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

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.

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].

Product Name:Input Metered PDU
Input Cable：70.87 in 4*4AWG
Outlet: (30) UL 320 C13

Enclosure Material:Aluminium Alloy

INPUT:200-240 V 3-PHASE;3W+PE;50/60Hz;48A
OUTPUT:200-240 V AC;16A PER BANK;48A PER PHASE TOTAL
C13:12A PER OUTLET ;16A PER GANG

Rack Unit: 0U
Incoming Mode:Top Feed
Circuit Breaker:(6) 20A/2P
Mounting Location: Dual-sided
Enclosure Color:Black

DWG NO. HW.039240508101
SKU AKN136067U

MODEL K12HTJ7-48A3000A1829GES01-2QT

PRODUCT CODE K12HTJ7-48A3000A1829GES01-2QT

DO NOT SCALE DRAWING

SHEET 2 OF 2

REV. A

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

DRAWN LQ LI
CHECKEN NAN LI
APP'D YH CHEN
DATE 8/5/2024

APISLOGIK