

# Product Datasheet

**Product Name: Input Metered Rack PDU**

**SKU: AKN143065U**

**Product Code: K12HTJ8-24W3608A1791EES01-2QT**

## Overview

The Apislogik Input metered 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  $\pm 1\%$ . The power and energy accuracy is  $\pm 2\%$ . 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 55°C/131°F. 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

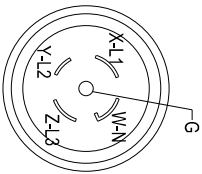
Input Parameters	
Input voltage	208 Y/120 V 3-phase;3W+N+PE
Max current(phase)	30A
Rate current (phase)	24A
Input frequency	50/60Hz
Power capacity	8.64W
Input plug	NEMA L21-30P
Input wire	(3m) 5*10AWG
Output Parameters	
Output voltage	120/208 V AC
Rate current(phase)	24A
Output frequency	50/60Hz
Outlets	(36)IEC C13;208 V AC (6)IEC C19;208 V AC (2)NEMA 5-20R;120 V AC
Protective Device	
Circuit breaker	2*20A/2P
Hot-swap LED indicator lights	/
Physical Parameters	
Rack mount	0U
Shell color	Black
Shell material	Aluminum Alloy

Power input method	Top feed
Mounting location	dual-sided
Mounting mode	Peg
Dimensions(H*W*D)	1791mm*55.6mm*49mm
Net weight	9KG
Shipping dimensions(H*W*D)	2100mm*87mm*115mm
<b>Environmental Parameters</b>	
Operating elevation	0-3000m (0-10000 ft)
Operation Temperature	-10~60 °C
Humidity(operation/storage)	5-95%RH, non-condensing
Storage Temperature	-20~70 °C
Storage elevation	0-15000m (0-50000 ft)
<b>Compliance</b>	
Certification	FCC、UL、CUL

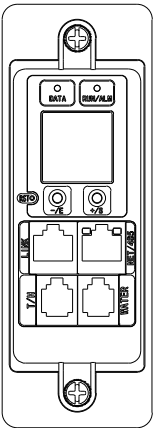
\* Product Characteristics subject to change without prior notice.

\* 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

<b>Version History</b>					
Version	Description	Draft	Review	Approval	Date
V1.2	First version	Jun Xiong	LQ Li	YH Chen	6/20/2023

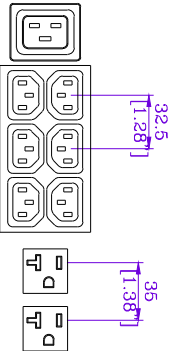
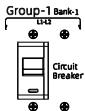


(NEMA L21-30P PLUG-ENLARGED)  
208Y/120V



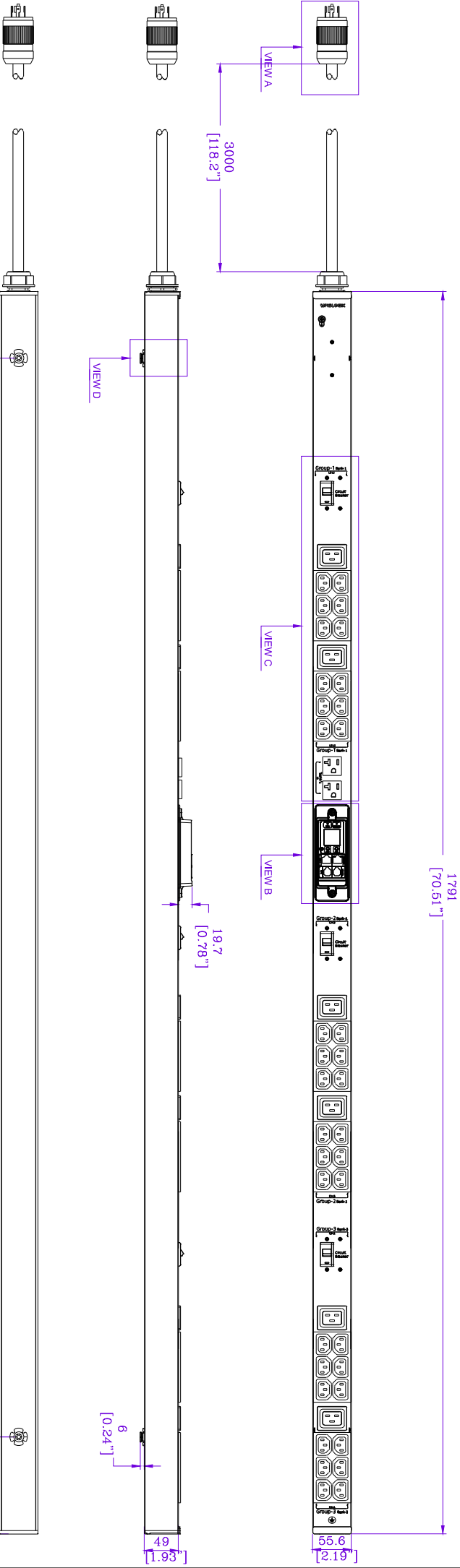
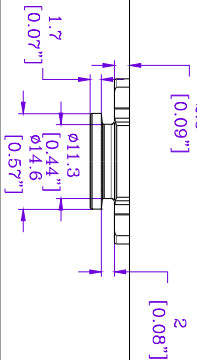
VIEW A

VIEW B



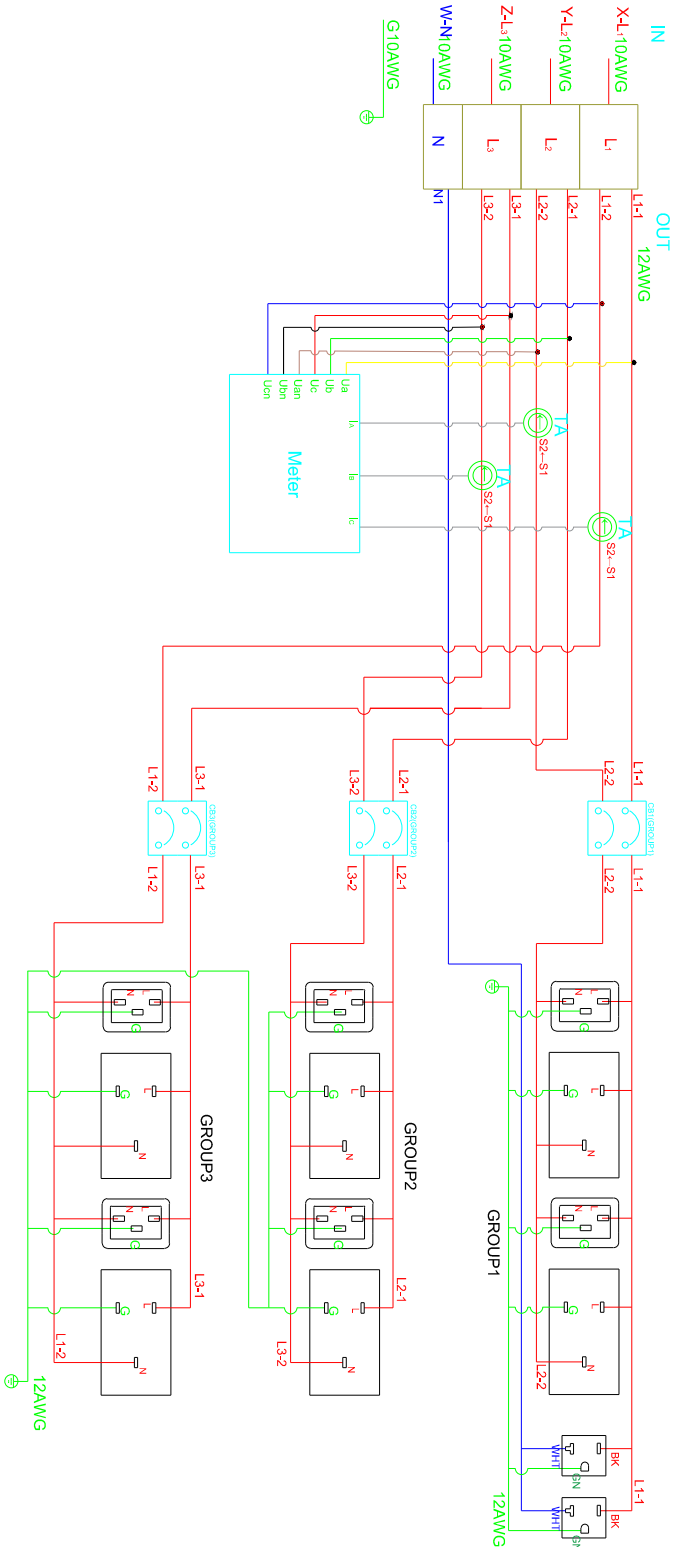
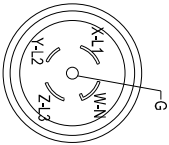
VIEW C

VIEW D




REV.	DESCRIPTION	DRAWN	CHECKEN	APPD	DATE	NOTES:	Product Name	Model	Product Code	Sheet	Rev.
E						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 MILLIMETERS (INCHES).	Meister Rack PDU	AKN143065U	K12HT18-24W698A1791 EES01-20T	1	A
D											
C											
B											
A	First edition	Jun Xiong	LQ LI	YH Chen	6/20/2023	APISMOON PROPRIETARY AND CONFIDENTIAL INFORMATION This document is the property of APISMOON and contains proprietary information of APISMOON. This document is loaned on the express condition that neither it nor the information contained shall be disclosed to others without the express written consent of APISMOON. This document shall be returned to APISMOON upon its request.	Meister Rack PDU	AKN143065U	K12HT18-24W698A1791 EES01-20T	1	A



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



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.

E						<b>NOTES:</b> 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 MILLIMETERS (INCHES).	Product Name: Metered Rack PDU		
D							Input Cable: 3m 5T10AWG Outlet:(36)IEC C13 (6)IEC C19 (2)NEMA 5-20R Enclosure Material: Aluminium Alloy Enclosure Color: Black	Rack Unit: 0U Incoming Mode: Top Feed Mounting Location: Dual-Sided Circuit Breaker: (2)20A/2P	
C									
B									
A	First edition	Jun Xiong	LQ LI	YH Chen	6/20/2023		INPUT: 208 V/120 V 3-phase, 3W+N+PE, 50/60Hz, 24A OUTPUT: 16A PER BANK, 24A PER PHASE TOTAL C13: 208 V AC; 12A PER OUTLET ; 16A PER GANG C19: 208 V AC; 16A PER OUTLET 5-20R: 120 V AC; 16A PER OUTLET		
REV.	DESCRIPTION	DRAWN	CHECKEN	APPD	DATE	APISMOON PROPRIETARY AND CONFIDENTIAL INFORMATION This document is the property of APISMOON and contains proprietary information of APISMOON . This document is loaned on the express condition that neither it nor the information contain shall be disclosed to others without the express written consent of APISMOON . and that the information shall be used by the recipient only as approved expressly by APISMOON . This document shall be returned to APISMOON upon its request.			



DWG NO.	SKU
HM-039220620305	AKN143065U
MODEL	
PRODUCT CODE	
K12HT1J8-24W3608A1791EES01-20T	
 DO NOT SCALE	
 DRAWING	
SHEET 2 OF 2	REV. A