Huawei PAC1000S56-EB

1000 W PoE AC & 240 V DC Power Module

53.5 V / 55.5 V DC output | AC 100–130 V, 200–240 V or high-voltage DC input | Fan cooling | 66 mm case, power panel side exhaust

Product Overview

The PAC1000S56-EB is a 1000 W PoE power module in a 66 mm wide case with power-panel-side exhaust. It converts AC or high-voltage DC input into a 53.5 V or 55.5 V DC output to supply system power and PoE power for CloudEngine S5700 series switches. It is cooled by a built-in fan, supports hot swapping and provides input, output and overtemperature protection. Part numbers: 02314APU and 02314APU-001.

Product Highlights

- Input: 100–130 V AC, 200–240 V AC (50/60 Hz) or 240 V DC; 125–240 V DC on 02314APU-001
- Output power: 1000 W (200–240 V AC / 240 V DC); 900 W (100–130 V AC); 400 W at 100–190 V DC (02314APU-001)
- Rated output 53.5 V (18.69 A) or 55.5 V (18.02 A)
- Heat dissipation with fan; hot swapping supported; C13 power socket
- Protection: input over/undervoltage; output overvoltage, overcurrent, short-circuit (hiccup, then lock); overtemperature
- Single green running status indicator (steady on, 4 Hz fast blinking during online loading, or off)

Basic Information

Item	Value
Model	PAC1000S56-EB
Part Number	02314APU / 02314APU-001
Description	1000 W PoE AC & 240 V DC Power Module (66 mm Width Case, Power panel side exhaust)
Panel components	Running status indicator, air vent hole, airflow flag (air out), handle, C13 power socket, lock
Installation note	All power modules are hot swappable, but power off the switch before removing or installing a power module to protect personal and equipment safety

Technical Specifications

Item	Specification
Dimensions (H × W × D)	40 mm × 66 mm × 215 mm (1.57 in. × 2.6 in. × 8.46 in.)
Weight	1.1 kg (2.43 lb)
Number of inputs	1
Rated input voltage	100–130 V AC, 50/60 Hz 200–240 V AC, 50/60 Hz 240 V DC (02314APU) 125–240 V DC (02314APU-001)
Input voltage range	90–290 V AC, 45–66 Hz 190–290 V DC (02314APU) 100–290 V DC (02314APU-001)
Maximum input current	100–130 V AC: 12 A 200–240 V AC: 8 A 240 V DC: 8 A
Rated output voltage	53.5 V or 55.5 V
Rated output current	18.69 A @ 53.5 V 18.02 A @ 55.5 V
Rated output power	100–130 V AC input: total power 900 W 200–240 V AC input and 240 V DC input: total power 1000 W (02314APU) 200–240 V AC input and 190–240 V DC input: total power 1000 W (02314APU-001) 100–190 V DC input: total power 400 W (02314APU-001)
Power dissipation mode	Heat dissipation with fan
Hot swapping	Supported

PAC1000S56-EB — Indicators, Protection & Compatibility

Indicator

Silkscreen	Name	Color	Status	Description
—	Running status indicator	Green	Steady on	The power module output is normal.
—	Running status indicator	Green	Fast blinking (4 Hz)	Online loading.
—	Running status indicator	—	Off	• The power module is powered on but not inserted into the system. • The power module input is normal but there is no output due to power overtemperature protection, output overcurrent, output overvoltage protection, short circuit protection, or component failure. • The power input is abnormal or there is no output due to no input.

Functions and Features

Protection	Behavior
Input overvoltage	The power module turns off and stops supplying power; resumes automatically once the fault is cleared
Input undervoltage	The power module turns off and stops supplying power; resumes automatically once the fault is cleared
Output overvoltage	Enters hiccup protection mode; the power module resumes power supply automatically once the fault is cleared
Output overcurrent	Enters hiccup protection mode. If the module enters this mode multiple times, the power output is locked and the module cannot automatically resume power supply
Output short-circuit	Enters hiccup protection mode. If the module enters this mode multiple times, the power output is locked and the module cannot automatically resume power supply
Overtemperature	The module stops supplying power above the preset threshold and resumes automatically once the temperature drops back to the normal range
Hot swapping	Supported

Version Mapping

Switch models and item numbers supported by the PAC1000S56-EB.

Product	Product Model	Item No.	First Supported Version
S5735-L-V2	S5735-L48P4XEA-V2	98012120	V600R022C01
S5735-L-V2	S5735-L48P4XEA-V2	98013011-001	V600R022C01 (02314APU) V600R025C00 (02314APU-001)
S5735-L-V2	S5735-L48PN4XEA-V2	98012370	V600R024C00
S5735R-L-V2	S5735R-L48P4XA-V2	98012684	V600R024C00
S5735R-L-V2	S5735R-L48P4XA-V2	98013075	V600R024C00 (02314APU) V600R025C00 (02314APU-001)
S5735-S-V2	S5735-S24HJ4XE-V2	98012652	V600R025C00
S5735-S-V2	S5735-S24HS4XE-V2	98012240	V600R023C00
S5735-S-V2	S5735-S24P4XE-V2	98012030, 98012030-001, 98012030-002	V600R022C01
S5735-S-V2	S5735-S24P4XEZ-V2	98012432	V600R024C00
S5735-S-V2	S5735-S24P8J4XEZ-V2	98012433, 98012433-001	V600R024C00
S5735-S-V2	S5735-S24PN4XE-V2	98012400	V600R023C10
S5735-S-V2	S5735-S24U4XE-V2	98012056, 98012056-001	V600R022C01
S5735-S-V2	S5735-S24U4XE-V2	98013018, 98013076	V600R025C00
S5735-S-V2	S5735-S48HJ4XE-V2	98012653	V600R025C00
S5735-S-V2	S5735-S48HS4XE-V2	98012241	V600R023C00
S5735-S-V2	S5735-S48P4XE-V2	98012053, 98012053-001	V600R022C01
S5735-S-V2	S5735-S48P4XE-V2	98013012, 98013074	V600R025C00

Product	Product Model	Item No.	First Supported Version
S5735-S-V2	S5735-S48P4XEZ-V2	98012437, 98012437-001	V600R024C00
S5735-S-V2	S5735-S48PN4XE-V2	98012399	V600R023C10
S5735-S-V2	S5735-S48U4XE-V2	98012059, 98012059-001	V600R022C01
S5735-S-V2	S5735-S48U4XE-V2	98013078	V600R025C00
S5735R-S-V2	S5735R-S24P4X-V2	98012704	V600R024C10
S5735R-S-V2	S5735R-S48P4X-V2	98012705	V600R024C10
S5735R-S-V2	S5735R-S48P4X-V2	98013017	V600R025C00
S5735I-S-V2	S5735I-S24U4XE-V2	98012062	V600R022C01
S5755-H	S5755-H24HB2Y2CZ	98012434	V600R024C00
S5755-H	S5755-H24P4Y2CZ	98012220, 98012220-001, 98012220-002	V600R023C00
S5755-H	S5755-H24U4Y2CZ	98012221, 98012221-001	V600R023C00
S5755-H	S5755-H24UM4Y2CZ	98012636, 98012636-001, 98012636-002, 98012636-003, 98012636-004, 98012636-005, 98012636-006, 98013293, 98013294-001, 98013295-001, 98013296-001	V600R024C10
S5755-H	S5755-H24UM4Y2CZ-T	98012640, 98013297	V600R024C10
S5755-H	S5755-H24UN4Y2CZ	02355NEG	V600R023C00
S5755-H	S5755-H24UTM4X4Y2C	02355NEA	V600R023C00
S5755-H	S5755-H24UTM4X4Y2C-T	02355RTL	V600R023C00
S5755-H	S5755-H48P4Y2CZ	98012217, 98012217-001, 98012217-002	V600R023C00
S5755-H	S5755-H48U4Y2CZ	98012218, 98012218-001	V600R023C00
S5755-H	S5755-H48UM4Y2CZ	98012643, 98012643-001, 98012643-002, 98012643-003, 98012643-004, 98012643-005, 98012643-006, 98013298, 98013299-001, 98013300-001, 98013301-001	V600R024C10
S5755-H	S5755-H48UM4Y2CZ-T	98012647, 98013302	V600R024C10
S5755-H	S5755-H48UN4Y2CZ	02355NEH	V600R023C00
S5755-H	S5755-H48UTM4X4Y2C	02355NEB	V600R023C00
S5755-H	S5755-H48UTM4X4Y2C-T	02355RTM	V600R023C00
S5755-S	S5755-S24P8J8YZ	98012626, 98012709	V600R024C10
S5755-S	S5755-S24P8Y	98012627, 98012627-001, 98012710	V600R024C10
S5755-S	S5755-S24U8J8YZ	98012628, 98012711	V600R024C10
S5755-S	S5755-S24U8Y	98012629, 98012712	V600R024C10
S5755-S	S5755-S24UN8YZ	98012906	V600R025C00
S5755-S	S5755-S48P4X4YHT	98013134, 98013152	V600R025C10
S5755-S	S5755-S48P8Y	98012633, 98012633-001, 98012716	V600R024C10
S5755-S	S5755-S48P8Y	98013031	V600R025C00
S5755-S	S5755-S48P8YZ	98012632, 98012715	V600R024C10
S5755-S	S5755-S48P8YZ	98013029	V600R025C00
S5755-S	S5755-S48U8Y	98012635, 98012718	V600R024C10
S5755-S	S5755-S48U8Y	98013035	V600R025C00
S5755-S	S5755-S48U8YZ	98012634, 98012717	V600R024C10
S5755-S	S5755-S48U8YZ	98013033	V600R025C00
S5755-S	S5755-S48UN8YZ	98012908	V600R025C00

Source: CloudEngine S5700 Series Ethernet Switches Hardware Description (V600), Issue 13 (2026-09-30), chapter 6 “Power Modules”, sections 6.13 and 6.14. Compiled summary for reference only; this is not an official manufacturer document. Specifications and compatibility are subject to change; verify against current manufacturer documentation.