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Overview

2500 W/3000 W AC&240 V DC Power Module (Front to Back, Power panel side intake)

Quick Specification

Table 1 shows the quick specification.

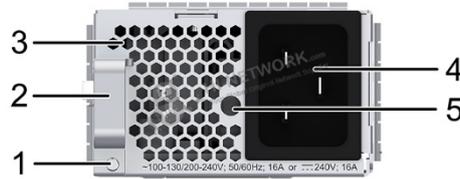
Model	PAC3KS54-DF
Part Number	02312TCA
Description	2500 W/3000 W AC&240 V DC Power Module (Front to Back, Power panel side intake)
Dimensions without packaging (H x W x D) [mm(in.)]	39.6 mm x 66 mm x 350 mm (1.56 in. x 2.60 in. x 13.78 in.)
Weight without packaging [kg(lb)]	1.5 (3.31)
Number of inputs	1
Rated input voltage [V]	- AC input: 110 V AC/220 V AC, 50/60 Hz - HVDC input: 240 V DC
Rated output power [W]	2500 W/3000 W Note: The default maximum output power is 2500 W. In V600R021C10 and later versions, the 3000 W output capability can be enabled using a command. When the power module works in 3000 W mode, it can be used only at an altitude lower than 2000 m (6562 ft.). In addition, it cannot be used together with other power modules.

Figure 1 shows the appearance of PAC3KS54-DF.



Product Details

Figure 2 shows the panel of the PAC3KS54-DF.



Note:

(1)	Running status indicator	(4)	Power socket
(2)	Handle	(5)	Clip hole
(3)	Air vent hole		

Table 2 shows the indicators on the PAC3KS54-DF.

Silkscreen	Name	Color	Status	Description
-	Running status indicator	Green	Steady on	The power module is working properly.
		Green	Fast blinking (4 Hz)	Online loading
		Green	Slow blinking (1 Hz)	The power module is powered on but not inserted into the system.
		Red	Steady on	Fan faults, power overtemperature protection, power output overcurrent protection, power output short-circuit protection, power output overvoltage protection, power input undervoltage protection, and power input overvoltage protection
		-	Steady off	There is no power input.

Table 3 shows the functions and features of the PAC3KS54-DF.

Functions and Features	Description
Input overvoltage protection	In this protection state, the power module is turned off and stops supplying power. When the system recovers from input overvoltage, the power module can automatically resume power supply.
Input undervoltage protection	In this protection state, the power module is turned off and stops supplying power. When the system recovers from input undervoltage, the power module can automatically resume power supply.
Input overcurrent protection	In this protection state, the power module is turned off and stops supplying power. When the system recovers from input overcurrent, the power module cannot automatically resume power supply and needs to be replaced.
Output overvoltage protection	<ul style="list-style-type: none"> If output overvoltage is caused by the power module itself, the power module is turned off and stops supplying power. The power module cannot automatically resume power supply. If output overvoltage is caused by increase of the input voltage received from the external power source, the power module is turned off and stops supplying power. When the system recovers from output overvoltage, the power module can automatically resume power supply.
Output overcurrent protection	In this protection state, the output current is limited to a certain value. When the system recovers from output overcurrent, the power module can automatically resume power supply.

Output short-circuit protection	In this protection state, the power module supplies power intermittently, and the output current is limited within a range. When the system recovers from output short-circuit, the power module can automatically resume power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.

Get More Information

Do you have any question about the PAC3KS54-DF (02312TCA)?

Contact us now via info@hi-network.com.

Specification

PAC3KS54-DF Specification	
Basic Information	
Model	PAC3KS54-DF
Part Number	02312TCA
Description	2500 W/3000 W AC&240 V DC Power Module (Front to Back, Power panel side intake)
Level-1 category	AC power module
Technical Specifications	
Dimensions without packaging (H x W x D) [mm(in.)]	39.6 mm x 66 mm x 350 mm (1.56 in. x 2.60 in. x 13.78 in.)
Weight without packaging [kg(lb)]	1.5 (3.31)
Number of inputs	1
Rated input voltage [V]	- AC input: 110 V AC/220 V AC, 50/60 Hz - HVDC input: 240 V DC
Input voltage range [V]	- AC input: 90–290 V AC; 45–65 Hz (When the input voltage ranges from 90 V AC to 176 V AC, the maximum output power is 1500 W. When the input voltage ranges from 176 V AC to 200 V AC, the maximum output power is 2300 W. If the input voltage ranges from 200 V AC to 290 V AC, the maximum output power is 2500 W.) - High-voltage DC input: 190 V DC to 290 V DC (When the input voltage ranges from 190 V DC to 200 V DC, the maximum output power is 2300 W. When the input voltage ranges from 200 V DC to 290 V DC, the maximum output power is 2500 W.) Note: When the maximum output power is 3000 W: - AC input: When the input voltage ranges from 176 V AC to 200 V AC, the maximum output power is 2800 W. When the input voltage ranges from 200 V AC to 290 V AC, the maximum output power is 3000 W. - High-voltage DC input: When the input voltage ranges from 190 V DC to 200 V DC, the maximum output power is 2800 W. When the input voltage ranges from 200 V DC to 290 V DC, the maximum output power is 3000 W.

Maximum input current [A]	16 A
Rated output voltage [V]	53.5 V or 55 V
Rated output power [W]	2500 W/3000 W Note: The default maximum output power is 2500 W. In V600R021C10 and later versions, the 3000 W output capability can be enabled using a command. When the power module works in 3000 W mode, it can be used only at an altitude lower than 2000 m (6562 ft.). In addition, it cannot be used together with other power modules.
Power dissipation Mode	Heat dissipation with fan
Hot swapping	Supported

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