

RG-NIS-PA240-48

RG-NIS-PA120-48

AC/DC 240/120W DIN-Rail

Power Supply

DATASHEET



Highlights

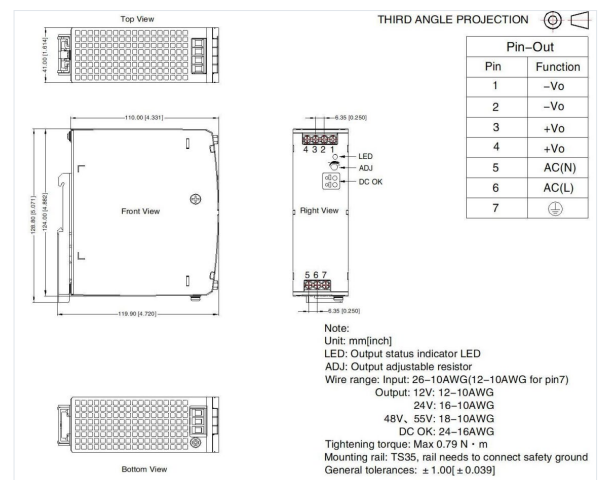
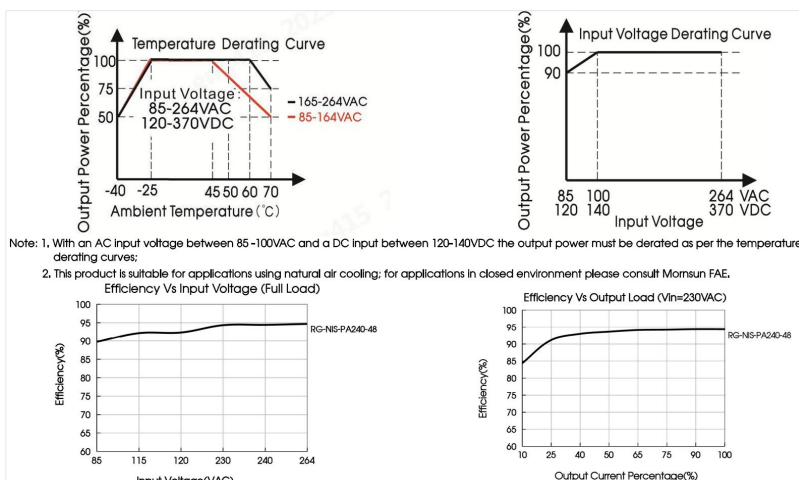
- Universal 85- 264VAC or 120- 370VDC Input voltage
- Accepts AC or DC input (dualuse of same terminal)
- Built-in active PFC function
- 150% peak load output for 3 seconds
- Output short circuit , over-current , over-voltage,over-temperature protection
- safety according to IEC/UL/BS EN 62368

Specifications

Module Model	RG-NIS-PA240-48	RG-NIS-PA120-48
Rated Voltage Range	100–240 V, 50/60 Hz	100–240 V, 50/60 Hz
Max. Voltage Range	85–264 V, 47–63 Hz	85–264 V, 47–63 Hz
Max. Output Power	240 W	120 W
Ground-Leakage Current	≤ 0.5 mA	≤ 1 mA
Operating Temperature	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)
Storage Temperature	–40°C to +85°C (–40°F to +185°F)	–40°C to +85°C (–40°F to +185°F)
Storage Humidity	Maximum: 95% RH (non-condensing)	20% RH to 95% RH (non-condensing)
Operating Humidity	Maximum: 90% RH (non-condensing)	Maximum: 90% RH (non-condensing)
Weight	0.65 kg (1.43 lbs.)	0.49 kg (1.08 lbs.)
Power Cord Specification	10 A power cord	10 A power cord

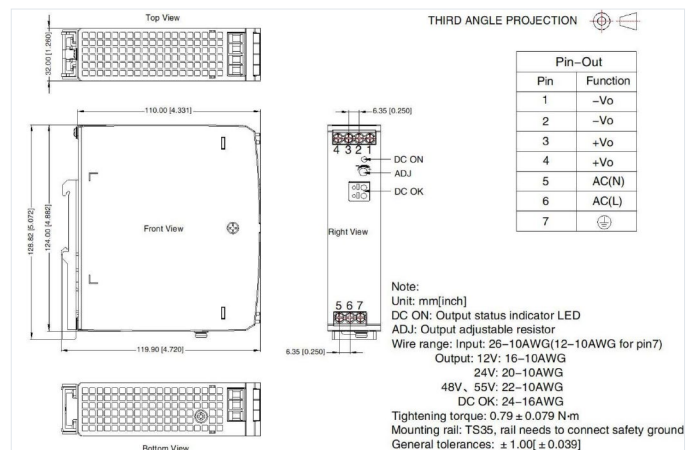
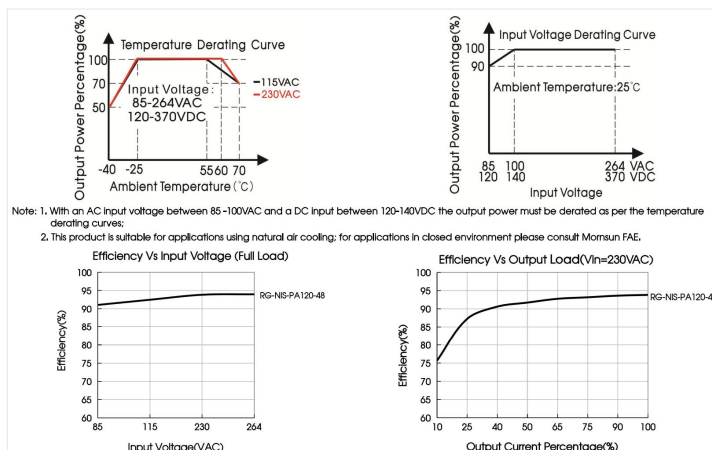
Specifications

Item	Working Conditions (RG-NIS-PA240-48)		Value
Output power derating	Operating temperature derating	-40°C to -25°C (-40°F to -13°F)	3.34%/°C
		45°C to 70°C (113°F to 158°F)	115 V AC input 2.0%/°C
	60°C to 70°C (140°F to 158°F)	230 V AC input 2.5%/°C	
Input voltage derating	85 V AC to 100 V AC		0.67%/V AC
Short circuit protection	After the short circuit is eliminated, the power supply is restored within 10s.		Hiccup mode: Maintain constant current for 1s and power off for 10s to provide long-term short circuit protection and self-recovery.
Overcurrent protection	230 V AC, rated load	Ordinary temperature, high temperature	110%–200% I _o , self-recovery
		Low temperature	≥ 105% I _o , self-recovery
Overvoltage protection	48 V		≤ 60 V (hiccup, self-recovery after an exception is eliminated)
Overtemperature protection	230 V AC, rated load		80°C (176°F)



Specifications

Item	Working Conditions (RG-NIS-PA120-48)		Value
Output power derating	Operating temperature derating	-40°C to -25°C (-40°F to -13°F)	3.34%/°C
		55°C to 70°C (131°F to 158°F)	85 V AC to 164 V AC input
	60°C to 70°C (140°F to 158°F)	165 V AC to 264 V AC input	2.5%/°C
Input voltage derating	85 V AC to 100 V AC		0.67%/V AC
Short circuit protection	After the short circuit is eliminated, the power supply is restored within 10s.		Hiccup mode: Maintain constant current for 1s and power off for 10s to provide long-term short circuit protection and self-recovery.
Overcurrent protection	230 V AC, rated load	Ordinary temperature, high temperature	105%–200% I _o , self-recovery
		Low temperature	≥ 105%, full load after derating, self-recovery
Overvoltage protection	48 V		≤ 60 V (hiccup, self-recovery after an exception is eliminated)
Overtemperature protection	230 V AC, 70% load	Start of overtemperature protection	90°C (194°F)
		End of overtemperature protection	Lowest: 60°C (140°F)



Ruijie | Rcycc

 **Redefine your easy network**

Copyright ©2000-2023 Ruijie Networks Co., Ltd. All rights reserved.

No part of this document may be reproduced or transmitted in any form or any means without prior written consent of Ruijie Networks Co., Ltd.

Notice

This content is applicable only to regions outside the China mainland. Ruijie Networks Co., Ltd. reserves the right to interpret this content.

The information contained herein is subject to change without notice. Nothing herein should be construed as constituting an additional warranty. Ruijie Networks Co., Ltd. shall not be liable for technical or editorial errors or omissions contained herein.



Ruijie Networks Co., Ltd.
Building 19, Juyuanzhou Industrial Park, No.618
Jinshan Road, Cangshan District, Fuzhou, Fujian, China
Website: <https://www.ruijienetworks.com>