

Quick Installation Guide

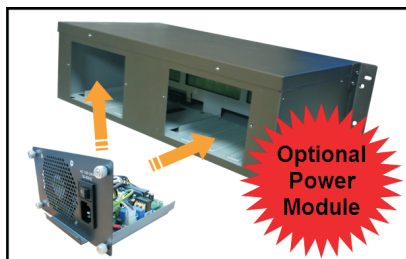
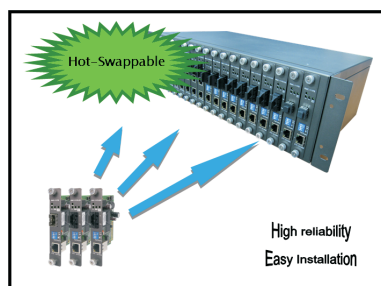
RPM-130 Series

industrial chassis power supply

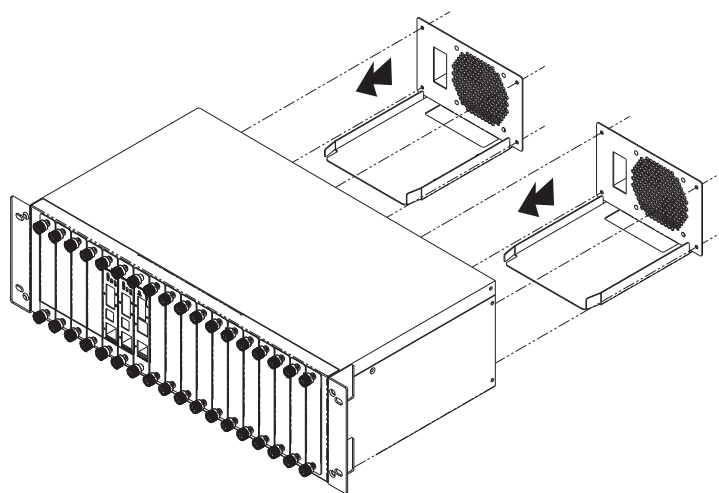
Features

- > Universal power input support 100~240VAC
- > High power conversion efficiency
- > Supports over voltage protection
- > Continuous short circuit protection
- > Supports over temperature protection
- > Active PFC for EN61000-3-2 class A & D compliance
- > MTBF 400Khrs

Application



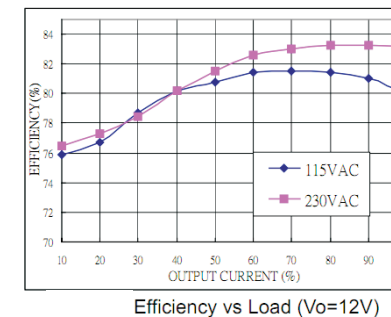
Installation



Specifications

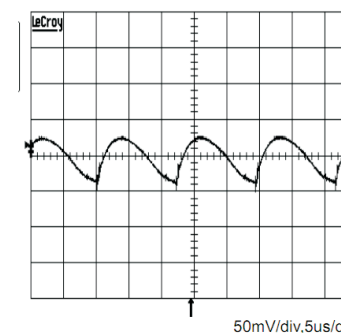
ORing Chassis Power Supply Model	RPM-130-AC_US/EU
Physical Ports	
Power	Single output with maximum 130Watts (cooling fan included)
Input Requirements	
Operating Voltage Ranges	100~240VAC
Line Frequency Range	47 ~ 63 Hz
Steady Current	3.3 Arms max.
Inrush Current (cold start 25°C)	80A max.
Leakage Current (DC-DC exclude)	3.5 mA max.
Output Requirements	
Specified O/P Voltage	12VDC
Current	Max. : 10.8A
Ripple & Noise	120mV
Line Regulation	+1% ~ -1%
Load Regulation	+1% ~ -1%
Protection Requirements	
Over-Voltage Protection	+14.5V / -2.5V
Over-Temperature Protection	130°C (typical)
Over-Current Protection	10.8 ~ 21.6A
No Load Operation	Present
Short Circuit Protection	Present
General Requirements	
Efficiency	80% (typical)
Hold-Up Time	20ms (typical)
Temperature Coefficient	±0.02% °C (typical)
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-10 to 70°C (14 to 158°F)
Operating Humidity	0% to 95% Non-condensing
Vibration	Operating vibration : 1Grms, 5 to 500Hz, random vibration, 30 minutes along X, Y, Z axis. Non-Operating vibration : 2Grms, 5 to 500Hz, random vibration, 30 minutes along X, Y, Z axis.
Shock	Operating Shock : 10G maximum, 1/2 sine wave, 11 msec in any axis. Non-Operating Shock : 20G maximum, 1/2 sine wave, 11 msec in any axis.
Regulatory Approvals	
EMI	CISPR 22 class A, EN55022 class A, FCC parts 15 class A,
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11, IEC-61000-3-2 class A class D
Safety	UL60950-1, EN60950-1, CUL: CAN/CSA C22.2 No. 60950-1 HI-POT (L,N to DC output) : 4242VDC, 1 minute, Ilimit : 8mA HI-POT (L,N to FG) : 2121VDC, 1 minute, Ilimit : 8mA I.R. : 50MΩ (in. at room temperature) /500VDC
MTBF (Hours) (MIL-HDBK-217F2, GB, GC, 25°C)	Greater than 400K hours
Warranty	2 years

Airflow Direction

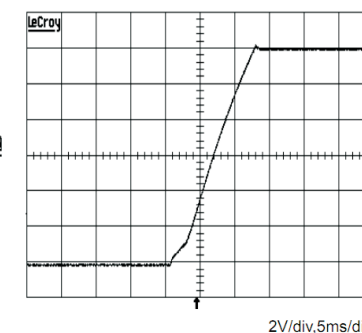


Performance

1. Output Ripple



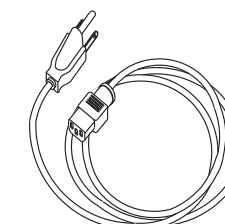
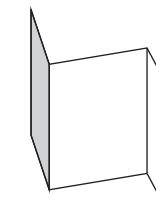
2. Output turn on wave form



Accessory

① QIG

② Power Cord



Packing list

Model name	Model Description	Accessory
RPM-130-AC_US	130W rack mount 12VDC/10.8A Power Supply Module with universal 100 to 240VAC input, US power cord	① X 1, ② X 1
RPM-130-AC_EU	130W rack mount 12VDC/10.8A Power Supply Module with universal 100 to 240VAC input, EU power cord	① X 1, ② X 1

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TEL: +886-2-2218-1066 Website: www.oring-networking.com
FAX: +886-2-2218-1014 E-mail: support@oring-networking.com