

MDR 電源供應器系列

24 VDC 電源供應器，用於 DIN 軌道安裝的產品



特色與優點

- 高浪湧電流保護
- 24 VDC 電源輸出
- -20°C 至 70°C 操作溫度範圍
- 85 至 264 VAC 或 120 至 370 VDC 輸入

認證



簡介

MDR 電源供應器系列可支援浪湧電流保護 (115 VAC 時為 30 A 以及 230 VAC 時為 60 A)。該系列的系統操作溫度範圍為 -20 至 70°C，並且提供三年保固，可確保適合在嚴苛的環境中操作。此外，MDR 系列也通過 100% 全負載高溫測試，並且獲得 UL/CUL 認可、TÜV/CB 認證以及 CE 標示。同時也有其他型號可提供 40 W 至 60 W 輸出額定值，以及 24 VDC 輸出。

規格

Output Power Parameters

Wattage	MDR-40-24: 40 W MDR-60-24: 60 W
Voltage	24 VDC
Current Rating	MDR-40-24: 0 to 1.7 A MDR-60-24: 0 to 2.5 A
Ripple and Noise	150 mVp-p
Voltage Adjustment Range	24 to 30 VDC
Setup/Rise Time at Full Load	500 ms, 30 ms at 115 VAC 500 ms, 30 ms at 230 VAC
Typical Hold Up Time at Full Load	20 ms at 115 VAC 50 ms at 230 VAC

Input Power Parameters

Voltage Range	85 to 264 VAC (47 to 63 Hz) 120 to 370 VDC
Typical Efficiency	88%
Typical Current	MDR-40-24: 0.7 A @ 230 VAC, 1.1 A @ 115 VAC MDR-60-24: 1.0 A @ 230 VAC, 1.8 A @ 115 VAC
Typical Current (cold start)	60 A @ 230 VAC, 30 A @ 115 VAC

Overload Protection

Rated Output Power	105 to 150%
Protection Type	Constant current limiting, recovers automatically after fault condition is removed

Overvoltage Protection

Over-Voltage Range	31.2 to 36 V
Protection Type	Shut down operating voltage, repower on to recover

Physical Characteristics

Dimensions	40 x 90 x 100 mm (1.57 x 3.54 x 3.94 in)
Weight	MDR-40-24: 260 g (0.57 lb) MDR-60-24: 280 g (0.62 lb)

Environmental Limits

Operating Temperature	-20 to 70°C (-4 to 158°F)
Max. Operating Temperature at Full Load	MDR-40-24: 60°C MDR-60-24: 55°C
Ambient Relative Humidity	20 to 90% (non-condensing)

Standards and Certifications

EMC	EN 50082-2, EN 55022 Class B, EN 61000-3-2 Class A, ENV 50204
Safety	EN 60950-1

Warranty

Warranty Period	3 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x MDR Power Supply Series power supply
Documentation	1 x warranty card

訂購資訊

Model Name	Input Voltage	Output Voltage	Output Wattage	Operating Temp.
MDR-40-24	85 to 264 VAC 120 to 370 VDC	24 VDC	40 W	-20 to 70°C
MDR-60-24	85 to 264 VAC 120 to 370 VDC	24 VDC	60 W	-20 to 70°C

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