



DEWETRON

DEWE-POW-24-350

EXTERNAL AC/DC POWER SUPPLY

- > Input: 100 to 240 V_{AC}; 47 to 63 Hz
- > Output: 24 V; max. 350 W
- > Protection: Overload, over voltage, over temperature, short circuit
- > Safety: Approved UL 60950-1 / TÜV EN60950-1



SPECIFICATIONS

		DEWE-POW-24-350
Input		
Rated input voltage		100 to 240 V _{AC} (max. 90 to 264 V _{AC})
Input frequency		47 to 63 Hz
Input current (typ.)		2 A @ 230 V _{AC} / 4 A @ 115 V _{AC}
Inrush current (typ.)		44 A @ 230 V _{AC} / 22 A @ 115 V _{AC}
Leakage current		<2 mA @ 240 V _{AC}
P.F.C. (typ.)		0.95 @ 230 V _{AC} / 0.98 @ 115 V _{AC}
Output		
Output voltage		24 V
Min. load		0 A
Rated load (free / fan)		12.5 A / 14.6 A
Output tolerance		±2 %
Ripple & Noise (max.)		150 mV
Efficiency (typ.)		88 %
Output connector		Banana jacks and LEMO EGG.2B.302
Protection		
Overload		105 % to 130 % constant current limiting, auto recovery
Over voltage		26.7 to 32.4 V; Hiccup mode, auto recovery after fault has been removed
Over temperature		> 80°C ±5°C detect on heat sink of power transistor Shutdown, auto recovery after temp. has fallen
Short circuit		Yes
Setup time		<2000 ms @ 230V _{AC} / 4000 ms @ 115 V _{AC}
Rise time		<100 ms @ 230 V _{AC} / 100 ms @ 115 V _{AC}
Holdup time		16 ms @ 230 V _{AC} / 16 ms @ 115 V _{AC}
Withstand voltage		I/P-O/P:3 KV _{AC} , I/P-FG:1.5 KV _{AC} , O/P-FG:0.5 KV _{AC} / 1 minute
Isolation resistance		I/P-O/P, I/P-FG, O/P-FG: 500 V _{DC} / 100 MΩ
Switching frequency		100 kHz
Temperature	Operating	-10 to 65°C
	Derating	45 to 60°C: 2 %/°C (3.5 & 5 V: 40 to 65°C: 2 %/°C)
	Storage	-40 to 85°C
Humidity	Operating	20 to 90 % RH
	Storage	10 to 95 % RH (non condensing)
M.T.B.F.		> 106 K hours (according to MIL-HDBK-217F at 25°C environment)
Safety		Approved: UL 60950-1 / TÜV EN60950-1
EMC	EMI	EN55022 Class B / EN61000-3-2,3
	EMS	EN61000-4-2,3,4,5,6,8,11 / ENV50204
Dimensions (W x D x H):		248 x 106 x 62 mm (9.8 x 4.2 x 2.4 in.)
Weight		1.7 kg (3.7 lbs)