



MS2-H150

Output Current 6.5 A, 150 W







*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		MS2-H150
Input conditions	Input voltage	85 to 264 VAC, 110 to 370 VDC*1
	Frequency	47 to 63 Hz, DC*1
Inputconditions	Input current (100/200 VAC)	2.2/1.1A or less
	Efficiency (100/200 VAC)	82, 85% typ. (at 100% load)
	Leakage current (100/200 VAC)	0.4, 0.75 mA or less (at 100% load)
	Rush current (100/200 VAC)	25, 50 A or less (at 100% load with a +25°C 77°F cold start)
Output characteristics	Rated voltage	24V
	Variable voltage range	±5% (with V.ADJ)
	Rated current	6.5A
	Ripple/noise voltage	180mV (p-p) or less
	Input fluctuation	0.4% or less
	Load fluctuation	1.5% or less
	Temperature fluctuation	0.02%/°C or less
	Startup time	500 ms or less (when the ambient usage temperature is between 0 and +55°C 32 and 131°F with rated I/O conditions)
	Output holding time	20 ms or more (when the ambient usage temperature is +25°C 77°F and with rated I/O conditions)
Protection	Overcurrent protection	Constant current drop method, automatic recovery, 7.9 A or more
	Overvoltage protection	Activates at 26.4 V or more, voltage interruption method, recovers when input is applied again*2
Display	Display power	3-digit 7-segment LED (character height: 10 mm 0.39")
	Power off memory time	Approx. 10 years (at +20°C 68°F)
	Display resolution	0.1A/0.4V /1%
Applicable standards	Safety standards	UL: UL508, UL60950-1; C-UL: CSA C22.2 number 14-M95, CSA C22.2 number 60950-1-03; EN: EN60950-1, EN50178; IEC: IEC60950-1
	EMC standard	FCC Part 15 B Class A, EN55011 Class A, EN61000-6-2
	Limits for harmonic current emissions	EN61000-3-2*3
Other	Parallel operation	Possible (requires OP-42207)*4
	Series operation	Possible (requires external diode)*4
	Cooling method	Natural air cooling
Environmental resistance	Insulation resistance	100 M Ω or more at 500 VDC (between input and output, between input and FG, and between output and FG)
	Ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing) (see the derating characteristics)
	Storage temperature	-20 to +70 °C -4 to 158 °F (No freezing)
	Relative humidity	25 to 85 % RH (No condensation)

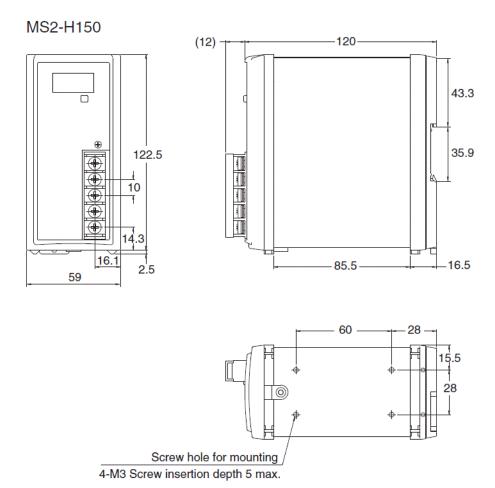


	Withstand voltage	3.0 kVAC, 50/60 Hz, 1 min (across input and output terminals) 2.0 kVAC, 50/60 Hz, 1min (across input terminals and PE terminal) 500 VAC, 50/60 Hz, 1min (across output terminals and PE terminal)
	Vibration resistance	10 to 57 Hz, Double amplitude 0.3 mm 0.01", 57 to 500 Hz, 19.6 m/s 2 (2 G), cycle: 5.5 minutes, 2 hours in each of the X, Y, and Z directions
	Shock resistance	Peak acceleration: 300 m/s², 2 times in each of the X, Y, and Z directions
Weight		Approx. 700 g

^{*1} The rated input voltage and rated frequency when applying for safety standards are 100 to 240 VAC, 50/60 Hz.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.



^{*2} To return, turn OFF the input power supply and after leaving it off for 1 minute or more, plug in the input power supply again. The E/F Series is a Zener diode clamp type. It will not restart after the protection circuit operation.

*3 For the MS2-H100, this is applicable only when the load ratio is 70% or less.

^{*4} The applicable standards do not apply for parallel and serial operations.