

MS300

SPECIFICATIONS

A134-01-01D

Items		Model	MS300 -5	MS300 -6	MS300 -12	MS300 -15	MS300 -24	MS300 -48
1	Nominal Output Voltage	V	5	6	12	15	24	48
2	Maximum Output Current	A	60	50	25	20	12.5	6.3
3	Maximum Output Power	W	300	300	300	300	300	302.4
4	Efficiency (Typ) (*1)	%	79	79	83	83	84	85
5	Input Voltage Range (*9)	-	85-132VAC (47-440Hz) or 90-165VDC					
6	Input Current (Typ) (*1)	A	7.0	7.0	6.7	6.7	6.6	6.6
7	In-rush Current (Typ) (*2)	-	30A at 100VAC					
8	Output Voltage Range	-	-10% to +20%					
9	Maximum Ripple & Noise (*10)	mV	100	200	200	200	200	400
10	Maximum Line Regulation (*3)	mV	20	24	48	60	96	192
11	Maximum Load Regulation (*4)	mV	30	36	72	90	144	288
12	Over Current Protection (*5)	A	63.0- 78.0	52.5- 65.0	26.2- 32.5	21.0- 26.0	13.1- 16.3	6.6- 8.2
13	Over Voltage Protection (*6)	V	6.5- 7.0	7.8- 8.4	15.6- 16.8	19.5- 21.0	31.2- 33.6	62.4- 67.2
14	Hold-Up Time (*7)	-	More than 20ms					
15	Remote Sensing	-	Possible					
16	Remote ON/OFF Control (*8)	-	Possible					
17	Parallel Operation	-	Possible					
18	Series Operation	-	Possible					
19	Operating Temperature (*9)	-	-10°C to +71°C					
20	Operating Humidity	-	30% to 90% RH (No dewdrop)					
21	Storage Temperature	-	-30°C to +85°C					
22	Storage Humidity	-	10% to 95% RH (No dewdrop)					
23	Cooling	-	Convection Cooled					
24	Temperature Coefficient	-	Less than 1% at -10°C to +71°C					
25	Withstand Voltage	-	Input-Chassis,Input-Output...2.0kVAC 1min (20mA) Output-Chassis...500VAC					
26	Isolation Resistance	-	More than 100MΩ at 25°C and 70% RH Output-Chassis...500VDC					
27	Vibration	-	Less than 19.6m/s ²					
28	Shock	-	Less than 196.1m/s ²					
29	Weight	-	3.8 kg					
30	Size (W x H x D)	mm	120 x 150 x 250 (Refer to Outline Drawing)					

NOTES

- *1 : At 100VAC & Maximum output power.
- *2 : When resuming operation in less than 10 sec after power failure at no load, softstart circuit will not limit the in-rush current at turn-on.
- *3 : From 85-132VAC or 90-165VDC, constant load.
- *4 : From No load - Full load, constant input voltage.
- *5 : Constant current limiting with automatic recovery.
- *6 : Inverter shut-down method, manual reset.
- *7 : At 100VAC input, Nominal output voltage & Maximum output current.
- *8 : TTL compatible input Greater than 2V or open...shut-down,0V-0.8V...power on. Supply voltage to CNT must not exceed 7V.
- *9 : Ratings Percent of maximum output current or maximum output power, whichever is greater.
When mounting, lift the unit 10mm off the equipment by spacers, etc.
 - i) With respect to operating temperature
-10°C...70% , 0-50°C...100% , 60°C...70%
71°C...50% (61°C-71°C Forced air cooling)
 - ii) With respect to input voltage
85-132VAC or 110-165VDC...100%
90-110VDC... 80%
- *10 : Measure with JEITA RC-9131 Probe, Bandwidth of scope : 100MHz.