SMDA63 SERIES

63W Desktop Power Supply for Medical Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- IEC-320-C14 input inlet and optional AC cords (EU, UK, US, Japan types)
- Output Voltage Available From 5VDC Thru 36VDC
- Single Output
- Input Surge Current, Over Voltage, Over Load and Output Voltage protection.
- Class I Insulation

3 Year Warranty

Approvals:

Single Output

Product Number	Output Voltage	Max. Output Current	Total Regulation	Maximum Output Power
SMDA63-S02	5 VDC	9.00 A	7%	45W
SMDA63-S03	7 VDC	7.85 A	7%	55W
SMDA63-S04	9 VDC	6.44 A	5%	58W
SMDA63-S05	12 VDC	5.25 A	5%	63W
SMDA63-S06	15 VDC	4.20 A	5%	63W
SMDA63-S07	18 VDC	3.50 A	5%	63W
SMDA63-S08	24 VDC	2.62 A	3%	63W
SMDA63-S09	30 VDC	2.10 A	3%	63W
SMDA63-S10	36 VDC	1.75 A	3%	63W

Total Regulation is guaranteed by below configuration

S02, S03: AWG16/5C/4FT output cable) (S04, S05: AWG16/2C/4FT output cable)(S06, S07: AWG18/2C/4FT output cable)(S08~S10: AWG18/2C/6FT output cable)

Electrical Characteristics

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	90		264	VAC
Input Frequency		47		63	Hz
Output Power Range	Vin= 90 to 264 VAC	0		50	W
Input Current (Low Line)	Io=Full load, Vin=115 VAC			1.62	A
Input Current (High Line)	Io=Full load, Vin= 230 VAC			0.72	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		12	15	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230 VAC		26	30	A
Efficiency	Io=Full Load, Vin=230VAC	77	85	88	%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	7	%
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=110VAC	16			mS
Start Up Time	Io=Full Load, Vin=100VAC	0.3	1	2	S
* Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0 .5	1	%
Safety Ground Leakage Current	Io= Full Load, Vin=240VAC		0.1	0.3	mA
No-Load Power Consumption	No load, Vin=240VAC	0.3	0.4	0.5	W
Temperature Coefficient	All output	-0.04		0.04	%/°C

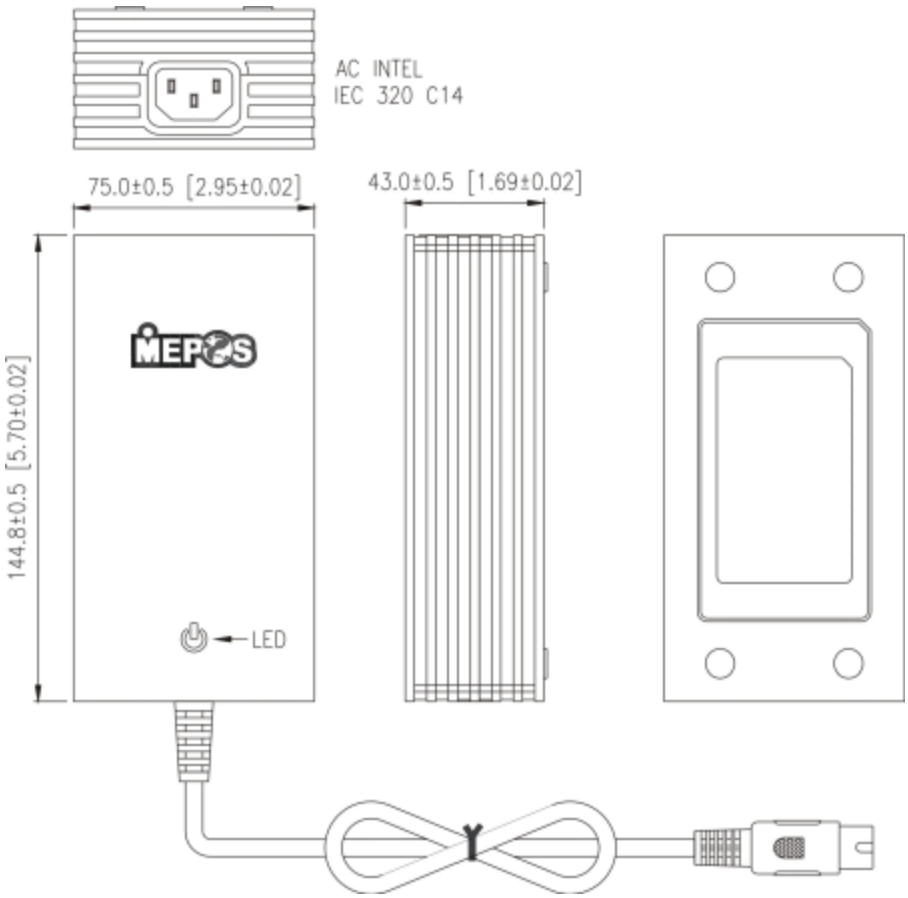
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0	50	70	℃
Storage Temperature		-40		85	℃
Relative Humidity		5		95	%
Operation temperature at 25℃, calculated per MIL-HDBK-217F		0.1			MHrs
Derate linearly from 100% load at 50°C to 50% load at 70°C					

Approvals and Compliances

Parameter	Test Conditions	Min.	Unit
Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	5600	VDC
Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2800	VDC
Isolation Resistance	Test Voltage = 2100VDC	50	MΩ
EMI requirements for CISPR-11	Vin=220VAC	B	CLASS
EMI requirements for FCC PART-18	Vin=110VAC	B	CLASS
Safety UL/c-UL, TUV/T-mark, CE, LPS, PSE, FCC, CB	UL 60601-1, EN 60601-1, IEC 60601-1	n/a	n/a
Environmental Compliances	RoHS, Energy Star, CEC Level V		

Mechanical and PIN out



Note:

1. Dimensions are shown in mm & inch
2. Weight: approx. 510-560g (Exclude the input cord)
3. Optional output connector.