SIDA68 SERIES

60W(80Wpk) Desktop Power Supply for Industrial Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 input inlet
- Single Output
- Optional output connector plug
- Power consumption (no load) < 0.5
- Operating temperature -20~70°C
- Class I Insulation
- Over voltage protection (crowbar design)

3 Year Warranty

Approvals:

Single Output					
Product Number	**Output Voltage**	**Output Current**	**Peak Output Current**	**Total Regulation**	**Maximum Output Power**
SIDA68-S05	11~13 VDC	5.00 A	6.66 A	3%	80Wpk (peak)
SIDA68-S08	21~27 VDC	2.50 A	3.33 A	2%	80Wpk (peak)

The total regulation on each model is required to use AWG#18/4FT output cable.

The regulation will be changed by modified 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 264VAC	0		60	W
Input Current (Low Line)	Io=Full load, Vin=115VAC			1.25	A
Input Current (High Line)	Io=Full load, Vin=230VAC			0.5	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=230VAC		26	30	A
Efficiency	Io=Full Load, Vin=230VAC	84			%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	5	%
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		0.5	S
Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Safety Ground Leakage Current	Io=Full Load, Vin=240VAC		0.5	0.75	mA
Temperature Coefficient	All output	-0.04		0.04	%/°C
No-Load Power Consumption	No load, Vin=240VAC		0.3	0.5	W

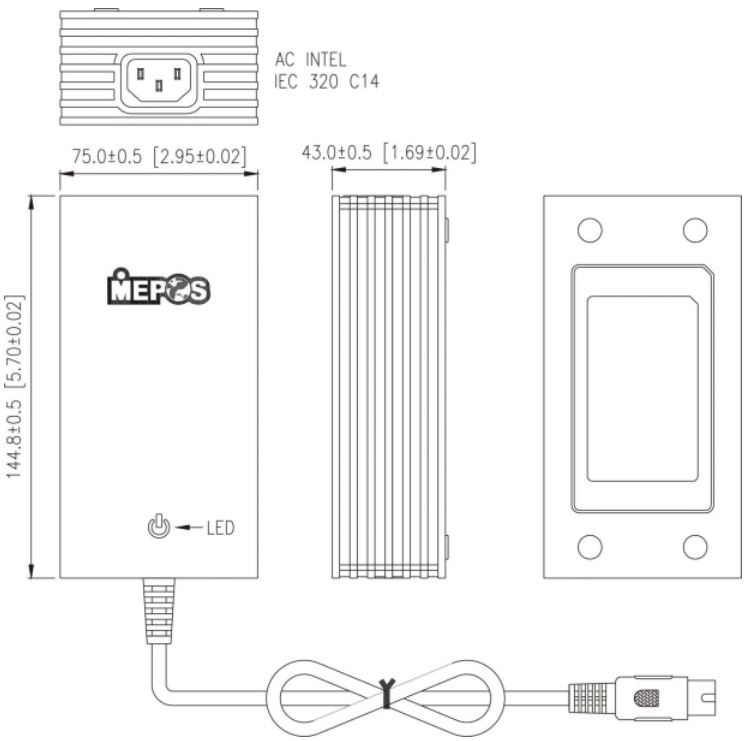
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		-20	50	70	°C
Storage Temperature		-40		85	°C
Relative Humidity		5		95	%
Operation temperature at 25°C, calculated per MIL-HDBK-217F		0.13M			Hrs
Derate linearly from 100% load at 50°C to 50% load at 70°C					

Approvals and Compliance

Parameter	Test Conditions	Min.	Unit
Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242	VDC
Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2121	VDC
Isolation Resistance	Test Voltage = 500VDC	50	MΩ
EMI requirements for CISPR-22	Vin=220VAC	B	CLASS
EMI requirements for FCC PART-15	Vin=110VAC	B	CLASS

Mechanical and PIN out



Note:

1. Dimensions are shown in mm & inch
2. Weight: 450g approx
   (Exclude the input cord)
3. Optional output connector.