SIDA40 SERIES

40W Desktop Power Supply for Industrial Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- IEC-320-C14 input inlet
- Output Voltage Available From 5VDC Thru 50VDC
- Approved as Limited Power Source (LPS), Splash Proof
- Class I Insulation
- Operating temperature -20~70°C
- Input Surge Current, Over Voltage, Over Load and Output Voltage protection.
- Energy Star, CEC V/IV,and RoHS compliance

3 Year Warranty

Approvals:

Single Output

Part Number	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power
SIDA40-S02*	5 ~ 6 VDC	4.16 ~ 5.00 A	5%	25W
SIDA40-S03*	6 ~ 8 VDC	5.00 ~ 3.75 A	5%	30W
SIDA40-S04	8 ~ 11 VDC	3.63 ~ 5.00 A	4%	35W
SIDA40-S05	11 ~ 13 VDC	3.07 ~ 3.63 A	3%	40W
SIDA40-S06*	13 ~ 16 VDC	3.07 ~ 2.50 A	3%	40W
SIDA40-S07*	16 ~ 21 VDC	1.90 ~ 2.50 A	3%	40W
SIDA40-S08*	21 ~ 27 VDC	1.48 ~ 1.90 A	2%	40W
SIDA40-S09	27 ~ 33 VDC	1.48 ~ 1.21 A	2%	40W
SIDA40-S10	33 ~ 40 VDC	1.21 ~ 1.00 A	2%	40W
SIDA40-S11	40 ~ 50 VDC	1.00 ~ 0.80 A	2%	40W

Mark " * " means " PSE approval "

The model number of S05~S11 had been approved by CEC level V.

Model. S02~S05 shall use “AWG#16,4FT long “ to meet the requirement of CEC.

Model. S06~S11 shall use “AWG#18,4FT long “ to meet the requirement of CEC.

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		40	W
Input Current (Low Line)	Io=Full load, Vin=115VAC			1	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=100VAC		20	25	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		42	50	A
Efficiency	Io=Full Load, Vin=230VAC	78	83	90	%
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	12			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

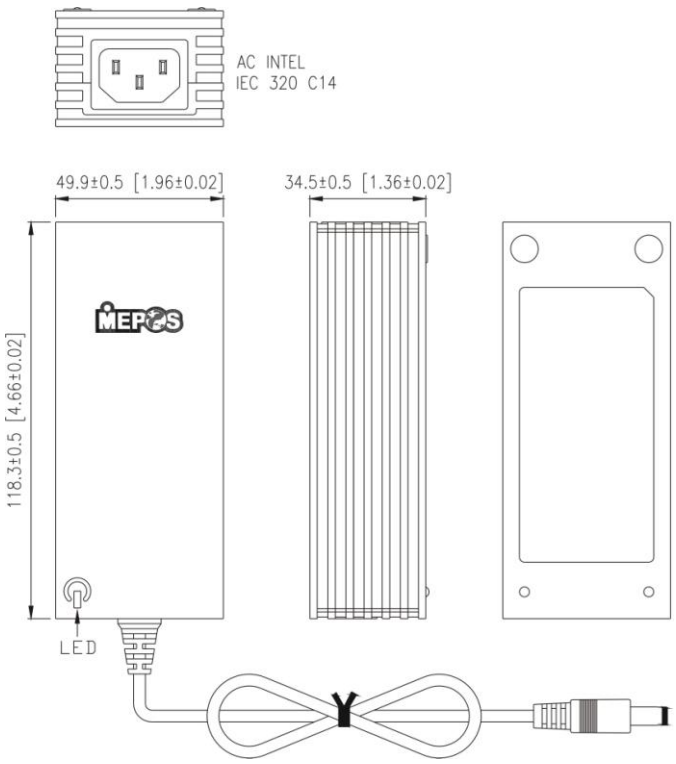
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		-20	40	70	°C
Storage Temperature		-40		85	°C
Relative Humidity		5		95	%
Operation temperature at 25°C, calculated per MIL-HDBK-217F		0.1M			Hrs
Derate linearly from 100% load at 40°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	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: approx. 275g
   (Exclude the input cord)
3. Optional output connector.