



FEATURES

- Wide Input Voltage 90 to 260VAC, 47 to 63Hz
- Output voltage 21 ~ 27VDC
- Output Current 4.80 ~ 3.70 Amps
- Total Regulation 2%
- EN60320 C14 input
- Input surge current, over voltage and over load protection
- Output Voltage Protection
- Ultra Low leakage current (Under 0.1mA)
- Active Power Factor Correction
- Class I
- Optional On/Off Switch
- 3 year warranty

Safety Approvals



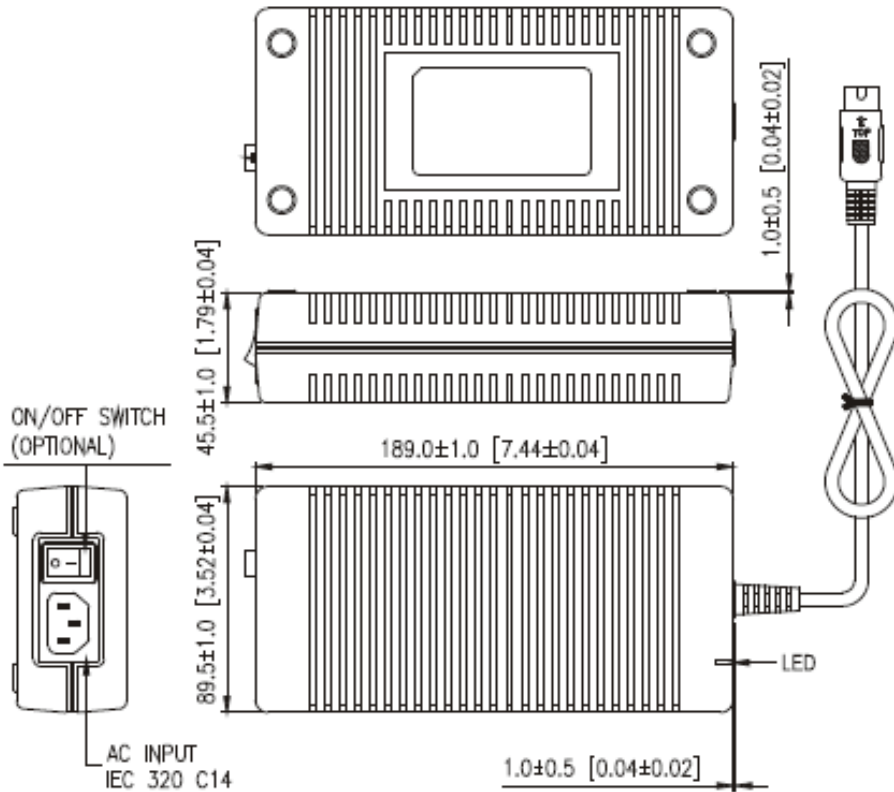
DESCRIPTION

The MGU100 series of AC/DC switching mode power supplies provide 100 Watts of continuous output power. This supply is UL94V-1 min compliant and includes the EN60320 C14 inlet for global shipping. 100% burned in and tested, all models meet FCC Part 18 Class B and CISPR-11 EN55011 class B emission limits and comply with UL/cUL(UL 60601-1), TUV/T-mark (EN60601-1) and new CE requirements making them

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vin	Input Voltage	Operating Voltage	90		260	VAC
fin	Input Frequency		47		63	Hz
PF	Power Factor Correction	Io=Full load, Vin=230 VAC	0.95		1	
Po	Output Power Range	Vin=90 to 260 VAC	0		100	W
Vo	Output Voltage Range		See rating chart			V
Io	Output Current Range		See rating chart			A
Iil	Input Current (Low Line)	Io=Full load, Vin=115 VAC			1.25	A
Iih	Input Current (High Line)	Io=Full load, Vin=230 VAC			0.5	A
Irl	Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		12	15	A
Irh	High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		26	30	A
Eff	Efficiency	Io=Full Load, Vin=230VAC	75	83	88	%
REG-i	Line Regulation	Io=Full Load		0.5	1	%
REG-o	Load Regulation	Vin=230VAC		3	7	%
OVP	Over Voltage Protection		112		132	%
OCP	Over Current Protection		110		150	%
Ttr	Time of Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Thold	Hold-Up Time	Io=Full Load, Vin=110VAC	16			mS
Ts	Start Up Time	Io=Full Load, Vin=100VAC	0.3	1.5	2	S
Vrn	Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Ilk	Safety Ground Leakage Current	Io= Full Load, Vin=240 VAC/60Hz			0.1	mA
TC	Temperature Coefficient	All output	-0.04		0.04	%/°C

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Toper	Operating Temperature		0	50	70	°C
Tstg	Storage Temperature		-40		85	°C
Hr	Relative Humidity		5		95	%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		0.1M			Hrs
Pd	Derate linearly from 100% load at 50°C to 50% load at 70°C					

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vps	Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	5656			VDC
Vpg	Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2828			VDC
Ris	Isolation Resistance	Test Voltage = 500VDC	50			MΩ
CISPR	EMI requirements for CISPR-11	Vin=220VAC	B			CLASS
FCC	EMI requirements for FCC PART-18	Vin=110VAC	B			CLASS



Dimensions shown are in mm/inches

Weight 778-800gs

Various options for the output cable, length and connector are available. Please specify your particular need.