

FEATURES

- Single Output
- 2 Year Warranty
- Class I Insulation
- Internal EMI Filter
- 2-Pin Input Connector
- Output Voltage Available from 5VDC to 48VDC
- Wide Input Voltage Range: 90~264VAC, 47~63Hz
- Input Surge Current, Over Voltage, and Over Load Protection



DESCRIPTION

The PSSBU58 series of AC/DC switching mode power supplies provides 60 Watts of continuous output power in an open frame constructed design. This series has single output supplies with a universal input range of 90~264VAC. These units are ideally suited for use in portable equipment as well as many other applications. All models meet CISPR-22 class B emission limits and comply with new CE requirements. All models are input surge current, output voltage, and over load protected. All units are also 100% burn-in tested.

SPECIFICATIONS: PSSBU58 Series					
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.					
SPECIFICATION	TEST CONDITIONS	Min	Nom	Max	Unit
INPUT (V_{in})					
Operating Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Input Current (Low Line)	I _o = Full Load, V _{in} = 115VAC			1.2	A
Input Current (High Line)	I _o = Full Load, V _{in} = 230VAC			0.6	A
Inrush Current (Low Line)	I _o = Full Load, 25°C, Cool Start, V _{in} = 115VAC		12	15	A
Inrush Current (High Line)	I _o = Full Load, 25°C, Cool Start, V _{in} = 230VAC		26	30	A
Safety Ground Leakage Current	I _o = Full Load, V _{in} = 240VAC		0.4	0.75	mA
Start-Up Time	I _o = Full Load, V _{in} = 100VAC	0.3	1	2	s
OUTPUT (V_o)					
Output Voltage Range		See Rating Chart			
Load Regulation	V _{in} = 230VAC		3	5	%
Line Regulation	I _o = Full Load		0.5	1	%
Output Power	V _{in} = 90 to 264VAC	0		60	W
Output Current Range		See Rating Chart			
Ripple & Noise (peak to peak)	Full Load, V _{in} = 90VAC		0.5	1	%
Transient Response Time	I _o = Full Load to Half Load, V _{in} = 100VAC			4	ms
Hold-Up Time	I _o = Full Load, V _{in} = 110VAC	12			ms
PROTECTION					
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
GENERAL					
Efficiency	I _o = Full Load, V _{in} = 230VAC	80		90	%
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
No Load Power Consumption	No Load, V _{in} = 240VAC	0.1		0.5	W
ENVIRONMENTAL					
Operating Temperature	Derate linearly from 100% Load at 40°C to 50% load at 70°C	0		+70	°C
Storage Temperature		-40		+85	°C
Relative Humidity		5		95	%
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
MTBF	Operating temperature at 25°C, calculated per MIL-HDBK-217F	100,000 hours			
PHYSICAL					
Weight		Approximately 140 grams			
Dimensions		4.00(L) x 2.00(W) x 1.00(H) inches 101.6(L) x 50.8(W) x 25.4(H) mm			
Warranty		2 years			
SAFETY					
EMI Requirements for CISPR-22	V _{in} = 220VAC	B			Class
EMI Requirements for FCC PART-15	V _{in} = 110VAC	B			Class

MODEL SELECTION CHART

Model Number	Preset Voltage	Output Voltage Range	Output Current Range	Total Regulation	Max Output Power
PSSBU58-102	6 VDC	5 ~ 6 VDC	8.00 ~ 6.66A	5%	40W
PSSBU58-103	8 VDC	6 ~ 8 VDC	8.00 ~ 6.00A	5%	48W
PSSBU58-104	11 VDC	8 ~ 11 VDC	6.87 ~ 5.00A	5%	55W
PSSBU58-105	13 VDC	11 ~ 13 VDC	5.45 ~ 4.61A	5%	60W
PSSBU58-106	16 VDC	13 ~ 16 VDC	4.23 ~ 3.43A	5%	60W
PSSBU58-107	21 VDC	16 ~ 21 VDC	3.75 ~ 2.85A	5%	60W
PSSBU58-108	27 VDC	21 ~ 27 VDC	2.85 ~ 2.22A	3%	60W
PSSBU58-109	33 VDC	27 ~ 33 VDC	2.22 ~ 1.81A	3%	60W
PSSBU58-110	40 VDC	33 ~ 40 VDC	1.81 ~ 1.50A	3%	60W
PSSBU58-111	48 VDC	40 ~ 48 VDC	1.50 ~ 1.20A	2%	60W

NOTES

1. The output voltage is specified as a range (Ex: 40 ~ 48VDC); the preset voltage will be set as standard models if nothing different is requested. Please contact factory for ordering details.
2. Input connector mates with Molex housing 35977-0300 and Molex 35922 series crimp terminal.

MECHANICAL DRAWING

Unit: inches (mm)

