

## STUA100 SERIES



## 100W U-Bracket Power Supply for I.T. Equipment

- Wide Input Voltage 90 to 260 VAC, 47 to 63Hz
- Single Output
- Output voltage available from 3 to 50 VDC
- Input Surge Current and Overload protection
- Over Voltage Protection (Crowbar Design)
- Class I Insulation
- Active Power Factor Correction
- Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal
- Size: 3.2"x5"x1.38"

2 Year Warranty

Approvals:   

### Single Output

Product Number	Output Voltage	Output Current	Total Regulation	Maximum Output Power
STUA100-S01	3 - 5 VDC	18.00 - 10.80 A	5%	54W
STUA100-S02	5 - 6 VDC	14.00 - 11.66 A	5%	70W
STUA100-S03	6 - 9 VDC	13.33 - 8.88 A	5%	80W
STUA100-S04	9 - 11 VDC	11.11 - 9.09 A	5%	100W
STUA100-S05	11 - 13 VDC	9.09 - 7.69 A	3%	100W
STUA100-S06	13 - 16 VDC	7.69 - 6.25 A	3%	100W
STUA100-S07	16 - 21 VDC	6.25 - 4.76 A	3%	100W
STUA100-S08	21 - 27 VDC	4.76 - 3.70 A	2%	100W
STUA100-S09	27 - 33 VDC	3.70 - 3.03 A	2%	100W
STUA100-S10	33 - 40 VDC	3.03 - 2.50 A	2%	100W
STUA100-S11	40 - 50 VDC	2.50 - 2.00 A	2%	100W

### Electrical Characteristics

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	90		260	VAC
Input Frequency		47		63	Hz
Power Factor Correction	Io = Full load, Vin = 90-260VAC	0.95	0.91	1.0	
Output Power Range	Vin=90 to 264VAC	0		100	W
Input Current (Low Line)	Io=Full load, Vin=115VAC			2.0	A
Input Current (High Line)	Io=Full load, Vin=230VAC			1.0	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		44	50	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		85	100	A
Efficiency	Io=Full Load, Vin=230VAC	70	80	85	%
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	1	2	S
* Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Safety Ground Leakage Current	Io=Full Load, Vin=240VAC		0.4	0.75	mA
Temperature Coefficient	All output	-0.04		0.04	%/°C

\* Note: The Ripple & Noise which is under 3.3VDC at 2% max

