

TPIUU63 SERIES

63W U Bracket Type
Industrial Power Supplies

Features:

- Wide Operating Voltage 81 to 280 VAC, 47 to 400 Hz or 90 to 420VDC
- Internal EMI filter
- Single to Quad Output
- Size: 3.2"x5"x1.38"
- Power Fail Detect (Optional)
- Operating temperature -20~70°C
- Class I
- 3 year warranty



Electrical Characteristics:

Vin	Universal Input Voltage	90~264VAC 106~250VDC
	Operating Voltage	81~280VAC 90~420VDC
fin	Input Frequency	47~63Hz
Po	Output Power Range	See rating chart
Vo	Output Voltage Range	See rating chart
Io	Output Current Range	See rating chart
Iil	Input Current (Low Line)	Io=Full load, Vin=100VAC or 160VDC 1.6A
Iih	Input Current (High Line)	Io=Full load, Vin=240VAC or 325VDC 0.8A
Ir	Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC or 160VDC 35A (max.)
	High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC or 325VDC 70A (max.)
Eff	Efficiency	Io=Full load, Vin=230VAC or 325VDC 70~88%
REG-i	Line Regulation	Io=Full Load 0.5~1%
REG-o	Load Regulation	Vin=230VAC or 325VDC 5~6%
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 or 140VDC 5mS (max.)
Th	Hold-Up Time	Io=Full Load, Vin=110VAC or 160VDC 16mS (min.)
Ts	Start Up Time	Io=Full Load, Vin=100VAC or 140VDC 2S (max.)
Vp-p	Ripple & Noise(Peak to Peak)	Full Load, Vin=85VAC or 100VDC 1% (max.)
Ilk	Safety Ground Leakage Current	Vin=240VAC/60Hz 0.45mA (max.)
TC	Temperature Coefficient	All output ±0.05%/°C
Pno	No-Load Power Consumption	No load, Vin=230VAC See rating chart
Vps	Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary 4242VDC (min.)
Vpg	Dielectric Withstanding Voltage for Primary to PE	Primary to PE 2414VDC (min.)
Ris	Isolation Resistance	Test Voltage=500VDC 50MΩ (min.)

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

Environmental

To	Operating Temperature	See derating curve
Ts	Storage Temperature	-40~85°C
Ho	Operating Humidity	0~95%
Hr	Storage Humidity	0~95%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F	0.1M Hrs (min.)
Pd	Derate linearly from 100% load at 50°C to 50% load at 70°C	

Application:

- Monitor
- Industrial PC
- Set-top box
- AV equipment
- CCD recorder

Safety Approvals:



UL/c-UL(UL 60950-1:2nd Edition)
TUV/GS(EN 60950-1:2nd Edition)



Industrial Power Supplies

