

TPSUU60 SERIES

63W U Bracket Type
I.T.E. Power Supplies

Features:

- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Internal EMI filter
- Single to Quad Output
- Over Voltage Protection (Crowbar Design)
- Power Fail Detect (Optional)
- Input Surge Current, Over Voltage and Over Load protection
- Class I
- 2 year warranty



Electrical Characteristics:

| | | | |
|-------|--|--|------------------|
| Vin | Safety Approvals Input Voltage Range | | 100~240VAC |
| | Operate Voltage Range | | 90~264VAC |
| 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 | 1.6A |
| | | Io=Full load, Vin=240VAC | 1.6A |
| Iih | Input Current (High Line) | Io=Full load, 25°C, Cool start, Vin=115VAC | 33A (max.) |
| | | Io=Full load, 25°C, Cool start, Vin=230VAC | 65A (max.) |
| Irr | Low Line Inrush Current | Io=Full Load, Vin=230VAC | 70~88% |
| | | | |
| Eff | Efficiency | Io=Full Load, Vin=230VAC | 70~88% |
| | | | |
| REG-i | Line Regulation | Io=Full Load | 0.5~1% |
| REG-o | Load Regulation | Vin=230VAC | 2~7% |
| OVP | Over Voltage Protection | Over Voltage Protection | 112~132% |
| OCP | Over Current Protection | Over Current Protection | 110~150% |
| Ttr | Time of Transient Response | Io=Full Load to Half Load, Vin=100VAC | 4mS (max.) |
| Th | Hold-Up Time | Io=Full Load, Vin=110VAC | 12mS (min.) |
| Ts | Start Up Time | Io=Full Load, Vin=100VAC | 2S (max.) |
| Vp-p | Ripple & Noise(Peak to Peak) | Full Load, Vin=90VAC | 1% (max.) |
| Ilk | Safety Ground Leakage Current | Vin=240VAC/60Hz | 0.75mA (max.) |
| TC | Temperature Coefficient | All output | ±0.04%/°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 | 2506VDC (min.) |
| Ris | Isolation Resistance | Test Voltage=500VDC | 50MΩ (min.) |

Note: The Ripple & Noise which is under 3.3VDC at 2% max.
The range of OCP is set between 110-150% of total output power .

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 25°C to 50% load at 70°C | |

Application:

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

Safety Approvals:



