

TPSPU26 SERIES

25W Interchangeable Wall Mount Type
I.T.E. Power Supplies

Features:

- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Interchangeable Plug
- Optional Output Connector (See page appendix)
- Single Output
- Class II
- Energy Star 2.0, Efficiency level V
- 2 year warranty



Electrical Characteristics:

| | | | |
|-------|--|--|--|
| Vin | Safety Approvals | | 100~240VAC |
| | Input 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 | 0.7A |
| Iih | Input Current (High Line) | Io=Full load, Vin=240VAC | 0.4A |
| Ir | Low Line Inrush Current | Io=Full load, 25°C, Cool start, Vin=115VAC | 25~50A |
| | High Line Inrush Current | Io=Full load, 25°C, Cool start, Vin=230VAC | 50~100A |
| Eff | Efficiency | Io=Full Load, Vin=230VAC | 77~85% |
| REG-i | Line Regulation | Io=Full Load | 0.5~1% |
| REG-o | Load Regulation | Vin=230VAC | 3~5% |
| OVP | Over Voltage Protection | | Nil |
| OCP | Over Current Protection | | Nil. But, Output protected to short circuit conditions |
| 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 | 3S (max.) |
| Vp-p | Ripple & Noise(Peak to Peak) | Full Load, Vin=90VAC | 2% (max.) |
| Ilk | Leakage Current | Vin=240VAC/60Hz | 0.25mA (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.) |
| Ris | Isolation Resistance | Test Voltage=500VDC | 50MΩ (min.) |

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 40°C to 50% load at 70°C | |

Application:

- POS System
- AV Equipment
- Industrial PC
- Note PC
- Charger
- LED Lighting

Safety Approvals:



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



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Output Voltage And Current Rating Chart (Single Output) :

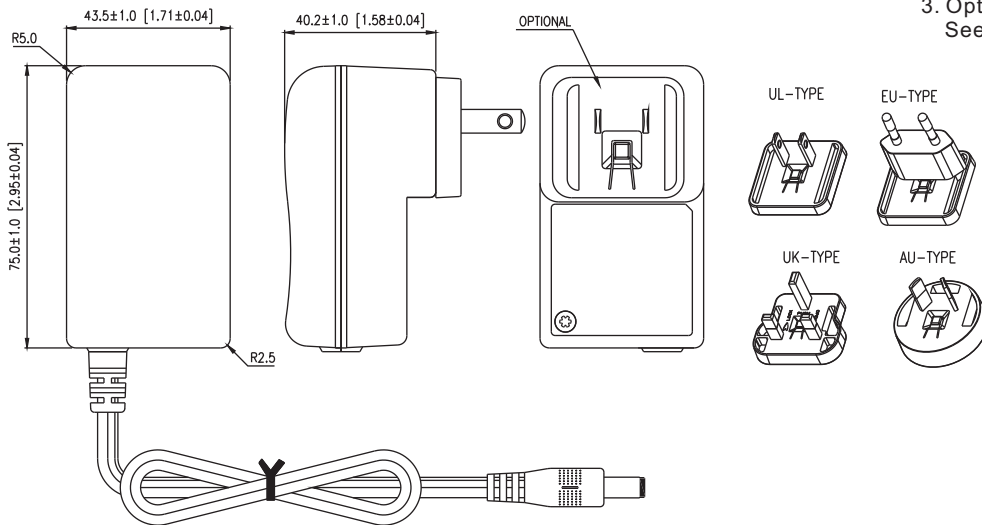
| Model Number | Output Voltage | Output Current | Total Regulation | Max. Output Power | Pno (max.) |
|--------------|----------------|----------------|------------------|-------------------|------------|
| TPSPU26-102 | 5 ~ 6 VDC | 3.30 ~ 2.75 A | 5% | 16.5W | 0.3W |
| TPSPU26-103 | 6 ~ 8 VDC | 3.33 ~ 2.50 A | 5% | 20W | 0.3W |
| TPSPU26-104 | 8 ~ 11 VDC | 2.75 ~ 2.00 A | 5% | 22W | 0.3W |
| TPSPU26-105 | 11 ~ 13 VDC | 2.27 ~ 1.92 A | 5% | 25W | 0.3W |
| TPSPU26-106 | 13 ~ 16 VDC | 1.92 ~ 1.56 A | 5% | 25W | 0.3W |
| TPSPU26-107 | 16 ~ 21 VDC | 1.56 ~ 1.19 A | 5% | 25W | 0.3W |
| TPSPU26-108 | 21 ~ 27 VDC | 1.19 ~ 0.92 A | 3% | 25W | 0.3W |
| TPSPU26-109 | 27 ~ 33 VDC | 0.92 ~ 0.75 A | 3% | 25W | 0.3W |
| TPSPU26-110 | 33 ~ 40 VDC | 0.75 ~ 0.62 A | 3% | 25W | 0.3W |
| TPSPU26-111 | 40 ~ 48 VDC | 0.62 ~ 0.53 A | 3% | 25W | 0.3W |

TPSPU26-102~109 are required to use AWG#18 × 2C/4FT output cable.

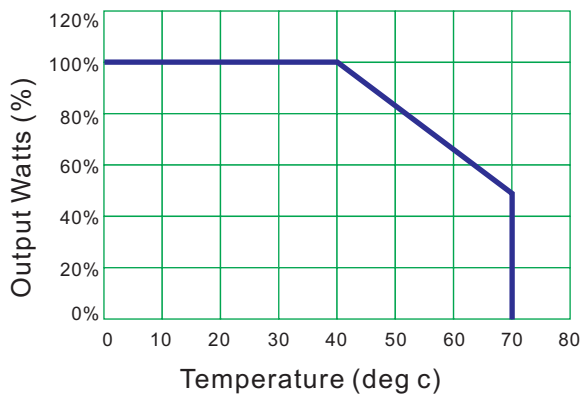
TPSPU26-110~111 are required to use AWG#20 × 2C/4FT output cable.

The regulation and efficiency will be changed by modified output cable.

Mechanical Specifications:



Derating Curve :



1. Operating Temperature: 0 to 70°C
2. Derate linearly from 100% load at 40°C to 50% load at 70°C

