



## GPSU06U-6 24V/0.25A (max) Power Supply

### Specifications

| <b>Input</b>               |  |
|----------------------------|--|
| Voltage range              | 100-240VAC   |
| Frequency                  | 50/60Hz  |
| Input current              | 0.3A(rms) for 115VAC, 0.2A (rms) for 230VAC.   |
| Safety gad leakage current | 0.25mA max @ 240VAC 50Hz.  |
| Insulation resistance      | 50MOhm min from output to ground.  |
| Inrush current             | 15A @ 115VAC, or 30A @ 230vac at 25°C cold start.  |
| <b>Output</b>              |  |
| Voltage                    | 24VDC  |
| Output current             | 0.25A  |
| Ripple                     | ±1% p-p max.   |
| Over voltage protection    | Yes (clamp by Zener diode).  |
| Over current protection    | Yes<br>(for primary-referenced direct driver, constant current series for secondary-referenced direct drive).    |
| Temperature coefficient    | All outputs ±0.04%/°C max.   |
| Transient response         | Max excursion of 4% or better on all models, recovering to 1% of final value 500uS after a 25% step load change. |
| Efficiency                 | 65% min at full output.  |
| Hold-up time               | 5msec min.   |
| Line regulation            | ±1% max for input voltage change between input voltage range.  |
| Load regulation            | ±5% variations from min to max output current.   |
| <b>General</b>             |  |
| MTBF                       | 50,000 hours min at full load at 25°C ambient.   |
| <b>Environmental</b>       |  |
| Operating Temperature      | 0 °C to +40°C  |
| Storage Temperature        | -40 °C to +85°C  |
| Humidity                   | 5 to 95%, Non-condensing   |
| Derating                   | Derated from 100% at +40 °C linearly to 50% at 70 °C.  |
| <b>Standards</b>           |  |
| Safety standards           | Meets or exceeds UL1950, CSA C22.2, TUV EN60950, IEC950.   |
| EMI                        | Meets conduction limits of FCC Part 15 Class B, CISPR 22.  |