



Making Data Acquisition Easy

CAGE/NCAGE CODE: 3FNFO

## GPSU06U-6 24V/0.25A Power Supply



### Features

Universal Input Voltage

No Load Power Consumption <1W

Short Circuit Protection

High Efficiency & Reliability

Operating Temperature : 0°C ~ 40°C (32F ~ 104F)

### SPECIFICATIONS

<b>Input Voltage Range</b>	100 ~ 240 VAC
<b>Input Frequency</b>	50/60 Hz
<b>Input Current</b>	0.3A (rms) for 115VAC, 0.2A (rms) for 230VAC
<b>Safety Gnd Leakage Current</b>	0.25mA max @ 240VAC 50Hz.
<b>Insulation Resistance</b>	50MOhm min from output to ground
<b>Inrush Current</b>	15A @ 115VAC, or 30A @ 230vac at 25°C cold start
<b>Voltage Output</b>	24 VDC
<b>Current Output</b>	0.25 Amps
<b>Ripple</b>	±1% p-p max.
<b>Over Voltage Protection</b>	Yes (clamp by Zener diode)
<b>Over Current Protection</b>	Yes (for primary-referenced direct driver, constant current series for secondary-referenced direct drive).
<b>Temperature Coefficient</b>	All outputs ±0.04%/°C max.
<b>Transient Response</b>	Max excursion of 4% or better on all models, recovering to 1% of final value 500uS after a 25% step load change.
<b>Efficiency</b>	-65% min at full output
<b>Hold-up Time</b>	5msec minimum.
<b>Line Regulation</b>	±1% max for input voltage change between input voltage range
<b>Load Regulation</b>	±5% variations from min to max output current
<b>MTBF</b>	50,000 hours min at full load at 25°C ambient
<b>Operating Temperature</b>	0 °C to +40°C (32F ~ 104F)
<b>Storage Temperature</b>	-40 °C to +85°C (-40F ~ 185F)
<b>Humidity</b>	5 to 95%, Non-condensing
<b>Derating</b>	Derated from 100% at +40 °C linearly to 50% at 70 °C
<b>Safety Standards</b>	Meets or exceeds UL1950, CSA C22.2, TUV EN60950, IEC950.
<b>EMI</b>	Meets conduction limits of FCC Part 15 Class B, CISPR 22.2