

### Desktop Battery charger

#### Features:

- Universal AC input
- Single output & Optional output connectors
- Over voltage protection
- Over current protection
- Over temp protection
- Short circuit protection
- Constant Voltage & Constant Current
- 2 color LED indicator for loading status
- One year warranty

#### SAFETY AGENCY APPROVALS



I.T.E. POWER SUPPLY



| Specifications:               | GPSU30X-CC Series  |
|-------------------------------|--|
| Input voltage                 | 90~264 VAC ; 47~63Hz   |
| Input current                 | 0.7A Max   |
| Safety ground leakage current | 0.25mA max @ 240 VAC 50Hz  |
| Output voltage                | See rating chart ( $\pm 5\%$ tolerance)  |
| Output current                | See rating chart   |
| Output power range            | 30 watts Max   |
| Ripple                        | 1 % peak to peak maximum   |
| Over voltage protection       | 110%~150% rated output voltage · by zener diode clamp  |
| Over current protection       | Yes  |
| Constant current protection   | 90%~110% constant limiting   |
| Output short protection       | Yes  |
| Over thermal protection       | 140°C $\pm$ 10°C , auto-recovery (by pwm controller)   |
| Temperature coefficient       | All output $\pm$ 0.04%/°C maximum  |
| Transient response            | Maximum excursion of 4% or better on all models. recovering to 1% of final value within 500uS after a 25% step load change |
| Operating temperature         | 0°C ~ +40°C  |
| Storage temperature           | -40°C to +85°C   |
| Relative humidity             | 5% to 95% non-condensing   |
| Derating                      | Derated from 100% at +40°C linearly to 50% at 70°C   |
| Efficiency                    | 65% minimum at full output (See item)  |
| Hold-up time                  | 5 msec minimum   |
| Line regulation               | $\pm 1\%$ maximum for any input voltage change between input voltage range   |
| Load regulation               | $\pm 5\%$ variations from minimum to maximum output current (See item)   |
| Inrush current                | 15 AMPS @ 115 VAC, or 30 AMPS @ 230 VAC at 25°C cold start   |
| Withstand voltage             | 4242VDC from input to output   |
| Mean time between failure     | 100,000 hours minimum at full load at 25°C ambient   |
| EMI requirements              | (A)CE EN55014-1(2000)+A1(2001) (B)FCC PART 15 (C)J55014(H14):2001  |
| Safety requirements           | (A)UL 60950-1 (B)CSA C22.2 (C)TUV EN60950-1  |
| Warranty                      | 1 year   |

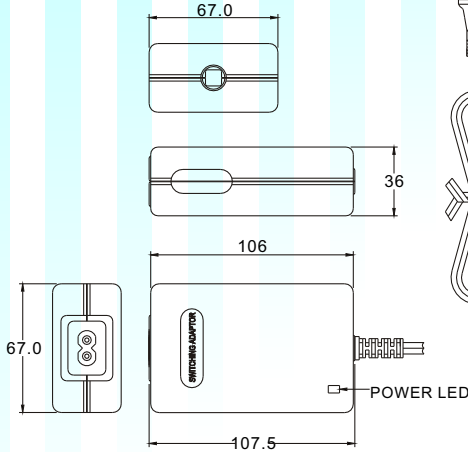


# GPSU30X-CC SERIES

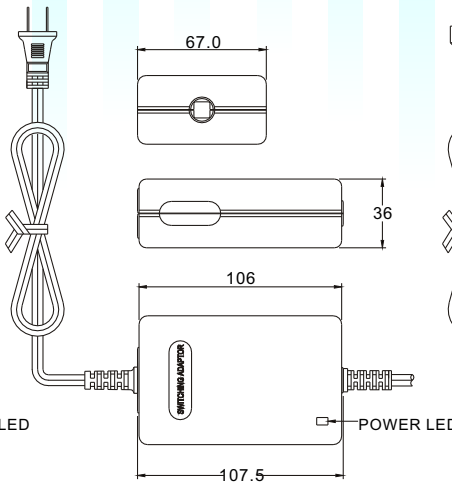
(class 2)

UNIT: mm

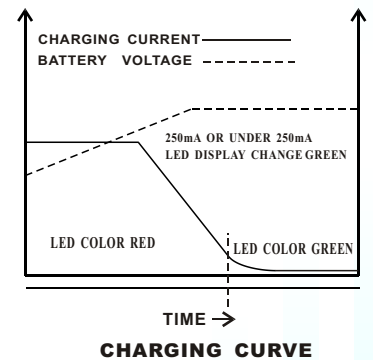
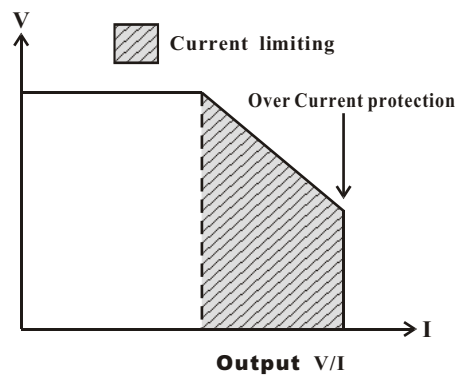
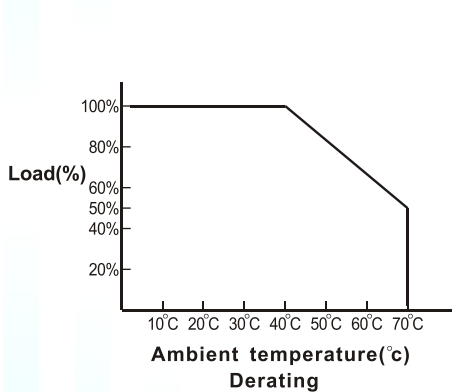
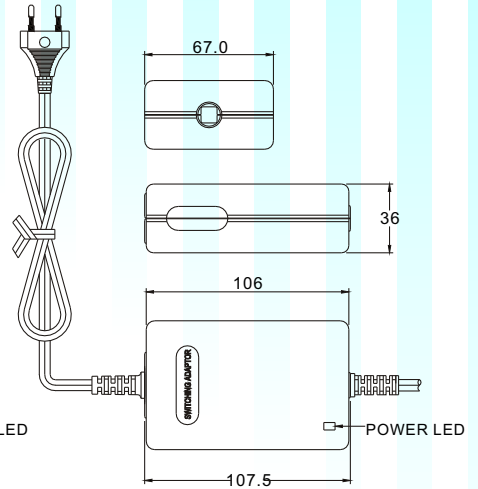
**FIG 1(B)**



**FIG 2(U)**



**FIG 3(E)**



Note:  
 1. Weight: Approx 260~400g  
 2. Optional output connectors (see page 45)

**X = B** (FIG 1) or **U** American Type (FIG 2) or **E** European Type (FIG 3)

| Model          | Output Voltage | Output Current | Maximum Output Power |
|----------------|----------------|----------------|----------------------|
| ★ GPSU30X-0-CC | 3 ~ 5 VDC      | 4 A            | 20W                  |
| ★ GPSU30X-1-CC | 5 ~ 6 VDC      | 4.00 ~ 3.73A   | 22.38W               |
| GPSU30X-1-1-CC | 6 ~ 8 VDC      | 3.60 ~ 2.70A   | 21.60W               |
| GPSU30X-2-CC   | 8 ~ 11 VDC     | 3.15 ~ 2.30A   | 25.20W               |
| GPSU30X-4-CC   | 13 ~ 16 VDC    | 2.30 ~ 1.87A   | 30W                  |
| GPSU30X-5-CC   | 16 ~ 21 VDC    | 1.68 ~ 1.28A   | 27W                  |
| GPSU30X-7-CC   | 27 ~ 33 VDC    | 1.11 ~ 0.90A   | 30W                  |

★ NO LPS SAFETY

