

## **PD-6U Series** Go Series Power Supply



- *100-240V AC input supports all major power standards*
- *50 Hz to 60 Hz input frequency*
- *12V DC, 1.3A rated output*
- *Protection features for over-current, over-voltage, and short-circuit conditions*
- *100,000 hours MTBF*
- *Compliant with RoHS directive 2002/95/EC*
- *Conforms to key EMI and EMS standards*
- *6-foot power cord*
- *US power plug*

# Specifications for PD-6U Series

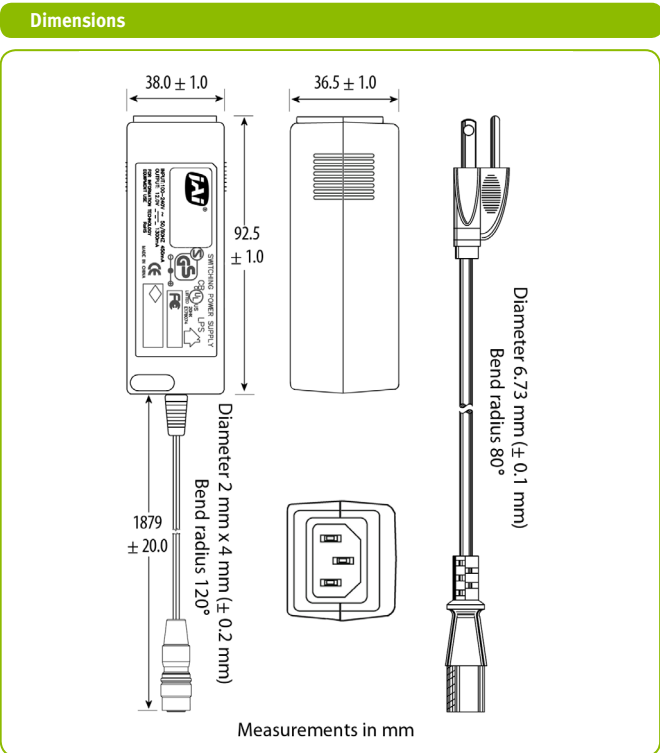
| Specifications         | PD-6U Series                             |
|------------------------|--|
| Input voltage          | 100V AC to 240V AC $\pm 10\%$            |
| Input frequency        | 50 Hz to 60 Hz                           |
| Input current          | 0.45 A max. @ 100-240V AC                |
| Inrush current         | 27 A max. @ 230V AC cold start at 25° C  |
| Input efficiency       | $>75\%$ @ 230V AC and full output load   |
| Output voltage         | 12V DC $\pm 5\%$                         |
| Output load            | 1.3 A (maximum)                          |
| Ripple & noise         | 100 mV p-p (maximum)                     |
| Output overshoot       | 10% (maximum)                            |
| Turn-on delay time     | 3000 ms (maximum)                        |
| Hold-up time           | 10 ms @ 115V AC / 20 ms @ 230V AC        |
| Transient response     | 750 mV p-p (maximum)                     |
| Insulation resistance  | 50 M $\Omega$ (500V DC) input to output  |
| Leakage current        | $<3.5$ mA at max. input voltage and load |
| Operating temperature  | 0° C to 70° C                            |
| Storage temperature    | -40° C to 70° C                          |
| Vibration              | 1.0 mm, 10-25 Hz, 15 mins. on each axis  |
| Cooling                | Convection                               |
| MTBF                   | $>100,000$ hrs @ 25° C (MIL-STD-217F)    |
| Dimensions (H x W x L) | 37 mm x 38 mm x 93 mm (power unit)       |
| Weight                 | 368 g (approximate)                      |

| Dielectric Withstanding Strength (Hi-Pot) |                |
|---|----------------|
| Primary to secondary                      | 1500V AC, 5 mA |

| Safety Standards |               |          |                    |
|------------------|---------------|----------|--------------------|
| Country          | Certification | Standard |                    |
| UL               | USA           | Approved | UL 60950           |
| CUL              | Canada        | Approved | CSA C22.2 No. 950  |
| TUV              | Europe        | Approved | EN60950-1: 2001    |
| CE               | Europe        | Approved | Declared & CE Mark |
| PSE              | Japan         | Approved | JET                |
| FCC              | USA           | Meet     | Part 15 Class B    |

| EMC Standards Support   |  |
|---|--|
| FCC Part 15 Class B, EN55022 Class B                            |  |
| EN61000-4-2: 1995/A1: 1998 Electrostatic Discharge (ESD)        |  |
| EN61000-4-3: 1996/A1: 1998 Radiated Electromagnetic Fields (RS) |  |
| EN61000-4-4: 1995 Electrical Fast Transient/Burst (EFT)         |  |
| EN61000-4-5: 1995 Lightning Surge Attachment                    |  |
| EN61000-4-6: 1996 Conducted Radiated Frequency Disturbances     |  |
| EN61000-4-8: Power Frequency Magnetic Field                     |  |

| Ordering Information |  |
|----------------------|--|
| PD-6UUP-GO           | US power plug, Hirose 6-pin connector to camera  |
| PD-6UU-GO            | US power plug, flying leads (no 6-pin connector) |
| 6P-02S               | 2-meter power cable for use with PD-6UU-GO       |



### Protection Features

The PD-6U Series power supply is interrupted any time an over-current or short-circuit condition occurs and provides self recovery when the fault condition is removed. Output voltage is protected any time an over-voltage condition occurs, and self recovers when the over-voltage condition is resolved.

### Connector pin-out

| Pin | Signal  |
|-----|---------|
| 1   | +12V DC |
| 2   | NC      |
| 3   | NC      |
| 4   | NC      |
| 5   | NC      |
| 6   | GND     |

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