

# ELJINTEK, INC.

## SWITCH MODE POWER SUPPLY

### GMPU06X-6-USB SPECIFICATION

#### 1)INPUT:

|                          |                        |
|--------------------------|------------------------|
| A) INPUT VOLTAGE RANGE   | 100 TO 240VAC          |
| B) INPUT FREQUENCY RANGE | 47 TO 63 HZ            |
| C) INPUT CURRENT         | 0.18-0.09A MAX         |
| D) LEAKAGE CURRENT       | 0.1mA MAX.@240VAC/50HZ |

#### 2)OUTPUT:

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| A) OUTPUT VOLTAGE          | +18VDC                                                 |
| B) OUTPUT CURRENT          | 0.33AMPS                                               |
| C) OUTPUT POWER            | 6WATTS MAX                                             |
| D) RIPPLE & NOISE          | 180mVp-p MAX.<br>( PEAK TO PEAK MAXIMUM)(AT 20MHZ B.W) |
| E) LOAD REGULATION         | 17.10 TO 18.90 VDC(±5% MAXIMUM)                        |
| F) OVER VOLTAGE PROTECTION | YES. PROTECTED BY ZENER DIODE.                         |
| G) OVER CURRENT PROTECTION | YES. HICCUP MODE; AUTO-RECOVERY.                       |
| H) OUTPUT SHORT PROTECTION | YES. HICCUP MODE; AUTO-RECOVERY.                       |

#### 3)ENVIRONMENTAL:

|                          |                                            |
|--------------------------|--------------------------------------------|
| A) OPERATING TEMPERATURE | 0 TO +40°C                                 |
| B) STORAGE TEMPERATURE   | -40 TO +85°C                               |
| C) RELATIVE HUMIDITY     | 5% TO 95% NON-CONDENSING                   |
| D) DERATING              | FROM +40°C DERATE LINEARLY TO 70% AT +50°C |

#### 4)GENERAL:

|                              |                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------|
| A) EFFICIENCY                | AVG. EFF. 74% MIN. AT 115VAC / AT 230VAC                                                |
| B) NO LOAD POWER CONSUMPTION | < 0.3W                                                                                  |
| C) HOLD-UP TIME              | 8 m SEC / 115VAC AT FULL LOAD                                                           |
| D) LINE REGULATION           | ±1% MAXIMUM AT FULL LOAD                                                                |
| E) INRUSH CURRENT            | 30AMPS MAX./ 230VAC AT 25°C COLD START                                                  |
| F) WITHSTAND VOLTAGE         | 5656VDC FROM INPUT TO OUTPUT                                                            |
| G) INSULATION RESISTANCE     | 50MΩ MINIMUM FROM INPUT TO GROUND                                                       |
| H) MEAN TIME BETWEEN FAILURE | 100,000 HOURS MIN. AT FULL LOAD AT 25°C AMBIENT                                         |
| I) EMC REGULATIONS           | (A) EN60601-1-2:2015 CLASS B 、<br>CISPR 11 IEC61000-3-2,3,IEC61000-4-2,3,4,5,6,8,11     |
| J) SAFETY STANDARD           | (B) FCC 47 CFR PART 18 SUBPART B<br>(A) UL/cUL(ANSI/AMMI ES6061-1)<br>(B) TUV EN60601-1 |
| K) ENERGY REQUIREMENTS       | (A) DoE LEVEL V (B) CoC VERSION 4<br>(C) ErP STEP 2                                     |

#### 5)CONSTRUCTIONS:

|                             |                  |
|-----------------------------|------------------|
| (A) SIZE                    | SHOWN AS DRAWING |
| (B) ELECTRICAL CONSTRUCTION | CLASS II         |