

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

GPSU06X-7(UL/EN62368) SPECIFICATION

1)INPUT:

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|--------------------------|--------------------------------------|
| A) INPUT VOLTAGE RANGE | 100 TO 240VAC (LIMIT: 90 TO 264 VAC) |
| B) INPUT FREQUENCY RANGE | 47 TO 63 HZ |
| C) INPUT CURRENT | 0.2A MAX |
| D) LEAKAGE CURRENT | 0.25mA MAX.@240VAC/50HZ |

2)OUTPUT:

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|----------------------------|----------------------------------|
| A) OUTPUT VOLTAGE | +28VDC |
| B) OUTPUT CURRENT | 0.21 A MAX. |
| C) OUTPUT POWER RANGE | 6W MAX |
| D) RIPPLE & NOISE | 200mVp-p MAX. (20MHZ BW) |
| E) LOAD REGULATION | 26.6VDC~29.4VDC(±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:

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| A) OPERATING TEMPERATURE | -20 TO +70°C (SAFETY APPROVAL 0 TO 40°C) |
| B) STORAGE TEMPERATURE | -10 TO +85°C |
| C) RELATIVE HUMIDITY | 5% TO 95% NON-CONDENSING |
| D) DERATING | FROM +40°C DERATE LINEARLY TO 50% AT +70°C |

4)GENERAL:

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| A) EFFICIENCY | AVG. EFF. 78.88% MINIMUM AT 115/230VAC EFF. 69.03% MINIMUM AT 230VAC@10%LOAD |
| B) NO LOAD POWER CONSUMPTION | < 0.1W |
| C) HOLD-UP TIME | 10 m SEC / 115VAC AT FULL LOAD |
| D) LINE REGULATION | ±1% MAXIMUM AT FULL LOAD |
| E) INRUSH CURRENT | 60A MAX @ 230VAC AT 25°C COLD START |
| F) WITHSTAND VOLTAGE | 4242VDC 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 |
| I) EMC REGULATIONS | AMBIENT (A) EN55032: 2015+A1+A11: 2020 , Class B EN55035: 2017+A11: 2020 EN61000-3-2,3,IEC61000-4-2,3,4,5,6,8,11 |
| J) SAFETY STANDARD | (B) FCC 47 CFR PART 15 SUBPART B (A) UL/CUL 62368-1 2 nd edition, (B) IEC62368-1:2014 (C) EN62368-1:2014+A11 |
| K) ENERGY REQUIREMENTS | (A) DoE LEVEL VI (B) CoC VERSION 5 |
| L) WARRANTY | (C) ErP STEP2 |

5)CONSTRUCTIONS:

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|-----------------------------|------------------------------|
| (A) SIZE | 1 YEAR |
| (B) ELECTRICAL CONSTRUCTION | SHOWN AS DRAWING CLASS II |