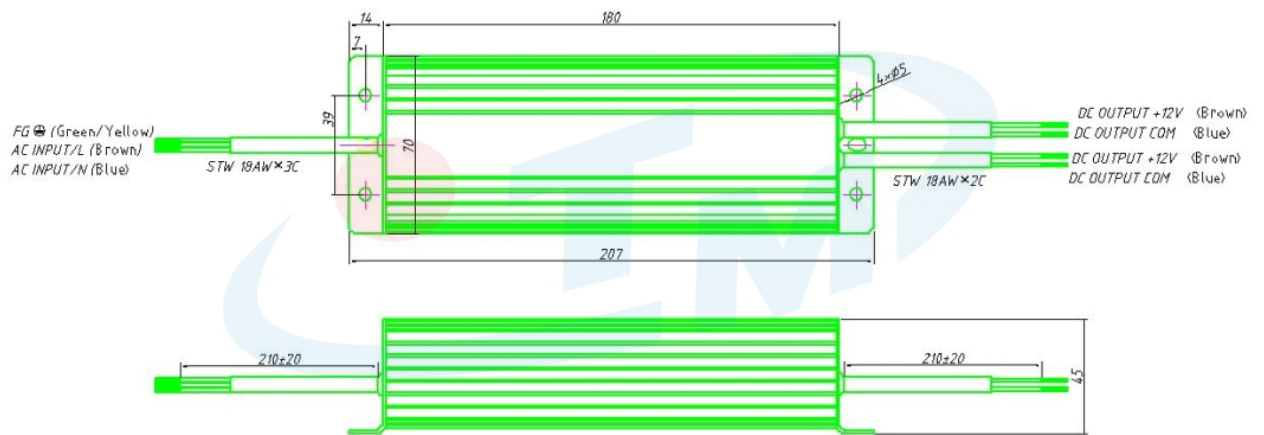


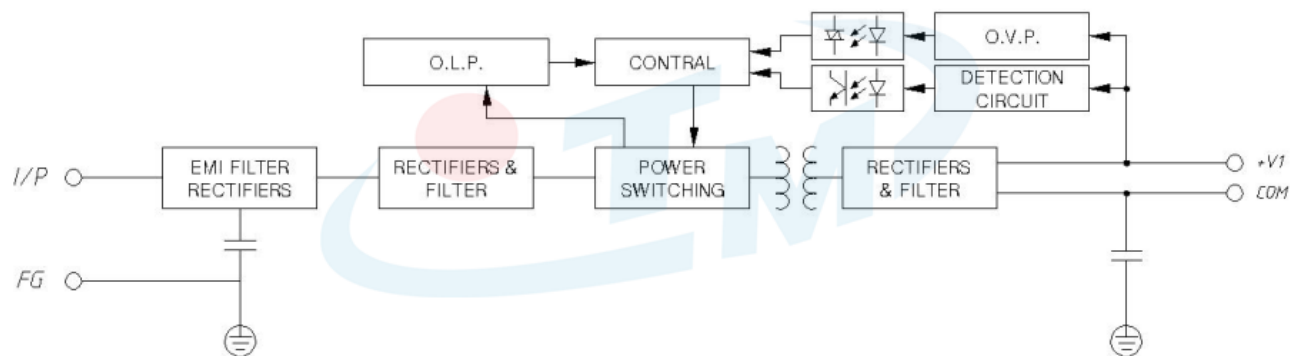
# SPECIFICATION

|                       |  |   |                    |                           |
|-----------------------|--|---|--------------------|---------------------------|
| MODE                  |  | W-100W-12V  |                    |                           |
| INPUT                 | FREQUENCY RANGE  | 90-250VAC   |                    |                           |
|                       | EFFICIENCY (Typ.)  | 47-63HZ   |                    |                           |
|                       | AC CURRENT (Typ.)  | 70%-95%   |                    |                           |
|                       | INRUSH CURRENT (Typ.)  | 2.5A/115VAC    1.5A/230VAC  |                    |                           |
|                       | LEAKAGE CURRENT  | COLD START: 40A/115VAC  |                    |                           |
|                       | FREQUENCY RANGE  | <2mA/240VAC   |                    |                           |
| OUTPUT                | DC VOLTAGE   | 12V   | VOLTAGE TOLERANCE  | ±6.1%                     |
|                       | RATED CURRENT  | 8.5A  | LINE    RUGULATION | ±1.5%                     |
|                       | CURRENT RANGE  | 0-8.5A  | LOAD    REGULATION | ±3.0%                     |
|                       | RATED POWER  | 102W  | STARTING TIME      | 500ms/230V    1200ms/115V |
|                       | RIPPLE & NOISE (max.)  | ≅ 120Mv   | RISING TIME        | 20ms/230V    30ms/115V    |
|                       | VOLTAGE ADJ. RANGE   | 11.25-12.75V  | STORAGE TIME       | 60ms/230V    140ms/115V   |
|                       | ENVIRONMENT  | WORKING TEMP.   | -20℃~+70℃          |                           |
| WORKING HUMIDITY      |  | 20~100%RH   |                    |                           |
| TEMP. COEFFICIENT     |  | -40℃~+85℃, 10~95%RH   |                    |                           |
| VIBRATION             |  | 10~500HZ,5G 10min/cycle, each along X, Y, Z axes 60mins                               |                    |                           |
| STORE TEMP., HUMIDITY |  | -40~+85℃, 10~95%RH  |                    |                           |
| PROTECTION            | OVER CURRENT   | 110%~150% rated output power  |                    |                           |
|                       |  | Protection type :Hiccup mode ,recovers automatically after fault condition is removed |                    |                           |
|                       | OVER VOLTAGE   | 12.75~13.75V  |                    |                           |
|                       |  | Protection type :Hiccup mode ,recovers automatically after fault condition is removed |                    |                           |
| SAFETY & EMC          | CERTIFICATIONS   | Compliance to FCC、CE、TUV and UL standards   |                    |                           |
|                       | WITHSTAND VOLTAGE  | I/P-O/P:3KVAC    I/P-FG:1.5KVAC    O/P-FG:0.5KVAC                                     |                    |                           |
|                       | ISOLATION RESISTANCE   | I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70%RH                                      |                    |                           |
|                       | EMC EMISSION   | Compliance to EN55022(CISPR22)Class B,EN61000-3-2,-3                                  |                    |                           |
|                       | EMC IMMUNITY   | Compliance to EN6100-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2)                        |                    |                           |
| OTHERS                | MTBF   | ≥100Khrs.    MIL-HDBK-217F(25℃)   |                    |                           |
|                       | DIMENSION  | 207*70*45mm   |                    |                           |
|                       | PACKAGE  | 1.02kg;27pcs/28.12kg/1.18CUFT   |                    |                           |
|                       | WATERPROOF GRADE   | IP67  |                    |                           |
| NOTE                  | 1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 23 of ambient temperature.<br>2.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation.<br>4. Line regulation is measured from low line to high line at rated load.<br>5. Constant current operation region is within 20%-100% rated output voltage. Others are 60% rated output voltage.<br>6.Each output is normal within the constant current ,but the total output power must not exceed the rated output power.<br>7.The power supply is considered a component which will be installed into a final equipment. The final equipment manufacturers must re-qualify that it still meats EMC Directives. |   |                    |                           |

## Mechanical Specification



## Block Diagram



## Characteristic Curve

\* Load The Derating Curve Characteristics

\* Static

