DTV-Y55D

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MODEL** | | **DTV-Y55D** | | |
| **OUTPUT** | **OUTPUT NUMBER** | **CH1** | **CH2** |  |
| **DC Voltage** | **13.8V** | **13.4V** |  |
| **Rated Current** | **3.5A** | **0.23A** |  |
| **Current Range** | **0 ~ 4A** | **…….** |  |
| **Rated power** | **51.38W** | | |
| **Ripple& Noise(Max)Note.2** | **100mVp-p** | **…….** |  |
| **Voltage ADJ. Range** | **CH1: 12~14.5V** | | |
| **Voltage Range Note.3** | **±1.0%** | **…….** |  |
| **Line regulation** | **±0.5%** | **…….** |  |
| **Load regulation** | **±0.5%** | **…….** |  |
| **Setup ,Rise Time** | **800ms, 50ms/230VAC 1600ms, 50ms/115VAC at full load** | | |
| **Hold up time (Typ.)** | **80ms/230VAC 16ms/115VAC at full load** | | |
| **INPUT** | **Voltage range** | **90 ~ 264VAC 124 ~ 370VDC** | | |
| **Frequency Range** | **47 ~ 63Hz** | | |
| **Efficiency** | **71%** | | |
| **AC Current** | **1.6A/115VAC 1A/230VAC** | | |
| **Inrush Current** | **Cold start 20A/115VAC 40A/230VAC** | | |
| **Leakage Current** | **<1mA /240VAC** | | |
| **INPUT** | **Voltage range** | **90 ~ 264VAC 124 ~ 370VDC** | | |
| **Frequency Range** | **47 ~ 63Hz** | | |
| **Efficiency** | **71%** | | |
| **AC Current** | **1.6A/115VAC 1A/230VAC** | | |
| **Inrush Current** | **Cold start 20A/115VAC 40A/230VAC** | | |
| **Leakage Current** | **<1mA /240VAC** | | |
| **Protection** | **Overload** | **105 ~ 150% rated output power** | | |
| **Protection type: AC Charging Mode: Hiccup mode , recovers automatically after fault condition is removed** | | |
| **Over voltage** | **CH1:15.87 ~ 18.63V** | | |
| **Protection type: Hiccup mode , Recovers automatically after fault condition is removed** | | |
| **FUNCTION** | **Dc alarm signal (Optional)** | **AC fail CN1 PIN2** | | |
| **Battery low under charge voltage 82.5%±2% CN1 PIN1** | | |
| **Normal 0.8V max. Abnormal 5V±0.5V** | | |
| **Environment** | **Working TEMP.** | **-10 ~ +60**℃ **(Refer to “ derating Curve”)** | | |
| **Working HUMIDITY** | **20 ~ 90% RH non-condensing** | | |
| **Storage TEMP., Humidity** | **-20 ~ +85**℃ **, 10 ~ 95% RH** | | |
| **TEMP. Coefficient** | **±0.03%/**℃ **(0 ~ 50**℃**) on CH1 output** | | |
| **VIBRATION** | **10 ~500Hz , 2G 10min/1cycle, 60min. each along X, Y, Z axes** | | |
| **SAFETY &**  **EMC(Note 4)** | **Safety Standards** | **UL60950-1 , TUV EN60950-1 approved** | | |
| **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 EN61000-4-2,3,4,5,6,8,11, EN55024,**  **Light industry level, criteria A** | | |
| **OTHERS** | **MTBF** | **304.3Krs min. MIL-HDBK-217F(25**℃**)** | | |
| **DIMENSION** | **159\*97\*38mm (L\*W\*H)** | | |
| **Packing** | **0.5Kg; 24pcs/12.6Kg/0.75CUFT** | | |
| **NOTE** | **1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25**℃ **of ambient temperature.**  **2. Ripple & noise are measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.**  **3. Tolerance: includes set up tolerance, line regulation and load regulation.**  **4. The power supply is considered a component which will be installed into a final a final equipment. The final equipment must re-confirmed** | | | |