

| Model No.                     | 8700-72W-24V-Class2                                                    |                                                                                                                                                                      |  |
|-------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1.Electrical Characteristics: |                                                                        |                                                                                                                                                                      |  |
| Items                         | Specification                                                          | Remarks                                                                                                                                                              |  |
| 1.1 Input:                    |                                                                        |                                                                                                                                                                      |  |
| 1.1.1 Input Range Voltage     | 100-240Vac                                                             | Tolerance is10%                                                                                                                                                      |  |
| 1.1.2 Input Range Frequency   | 47Hz(Min)-63Hz(Max)                                                    | Rated 50/60Hz                                                                                                                                                        |  |
| 1.1.3 Efficiency              | Arg. >84%                                                              | 100%,75%,50%,25%<br>Rated Load condition.<br>Averageefficiency                                                                                                       |  |
| 1.2 Input Protection:         |                                                                        |                                                                                                                                                                      |  |
| 1.2.1 Over-current            | Input power is off by a fuse                                           | Fuse ratings<br>3.15A/250Vac                                                                                                                                         |  |
| 1.3 Output:                   |                                                                        |                                                                                                                                                                      |  |
| 1.3.1 Output Voltage          | 24Vdc+/-5%                                                             |                                                                                                                                                                      |  |
| 1.3.2 Output Current          | 0~3A                                                                   |                                                                                                                                                                      |  |
| 1.3.3 Line Regulation         | 2% Max.                                                                |                                                                                                                                                                      |  |
| 1.3.4 Load Regulation         | 5% Max.                                                                |                                                                                                                                                                      |  |
| 1.3.5 Ouput Power             | 72W                                                                    | At full load and within<br>input voltage 100-<br>240Vac                                                                                                              |  |
| 1.3.6 Ripple + Noise          | 360mV Max.                                                             | Oscilloscope<br>bandwidth=20MHz,<br>10uF/50V electrolytic<br>and 0.1uF/50V<br>ceramic capacitors are<br>connected at output                                          |  |
| 1.3.7 Rise Time               | 3S Max.                                                                | At Vin=100Vac/60Hz                                                                                                                                                   |  |
| 1.4 Output Protection         |                                                                        |                                                                                                                                                                      |  |
| 1.4.1 Over-load               | No odor,smoke,fire,plastic<br>deformation and excessive<br>heat happen | Increase load current<br>gradually until the<br>output is shorted or<br>burst.                                                                                       |  |
| 1.4.2 Short -circuit          | No odor,smoke,fire,plastic<br>deformation and excessive<br>heat happen | OCP runs.it can be<br>automatically restored<br>normal when the<br>overcurrent condition<br>removed,the<br>Overcurrent output<br>current is between<br>1.2-2 times . |  |
| 1.5 Safety Standard:          |                                                                        |                                                                                                                                                                      |  |
|                               | ETL                                                                    | UL1310                                                                                                                                                               |  |
|                               | CE                                                                     | EN60950                                                                                                                                                              |  |

|                                                              |                       |                                                                                                                                               |
|--------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1.6 EMC Standard:                                            |                       |                                                                                                                                               |
| 1.6.1 EMI                                                    | EN55032:2015,EN55024  |                                                                                                                                               |
| 1.7 Others:                                                  |                       |                                                                                                                                               |
| 1.7.1 Dielectric Withstanding Voltage (Primary to secondary) | 1500Vac/<10mA/60S     | The voltage applied to the insulation under test is gradually raised from zero to the prescribed voltage and held at the value for 60 seconds |
| 1.7.2 Insulation resistance(Primary to secondary)            | 30MΩ, 500Vdc          | 1S                                                                                                                                            |
| 1.7.3 M.T.B.F                                                | More than 30000 hours | At full load 25°C                                                                                                                             |

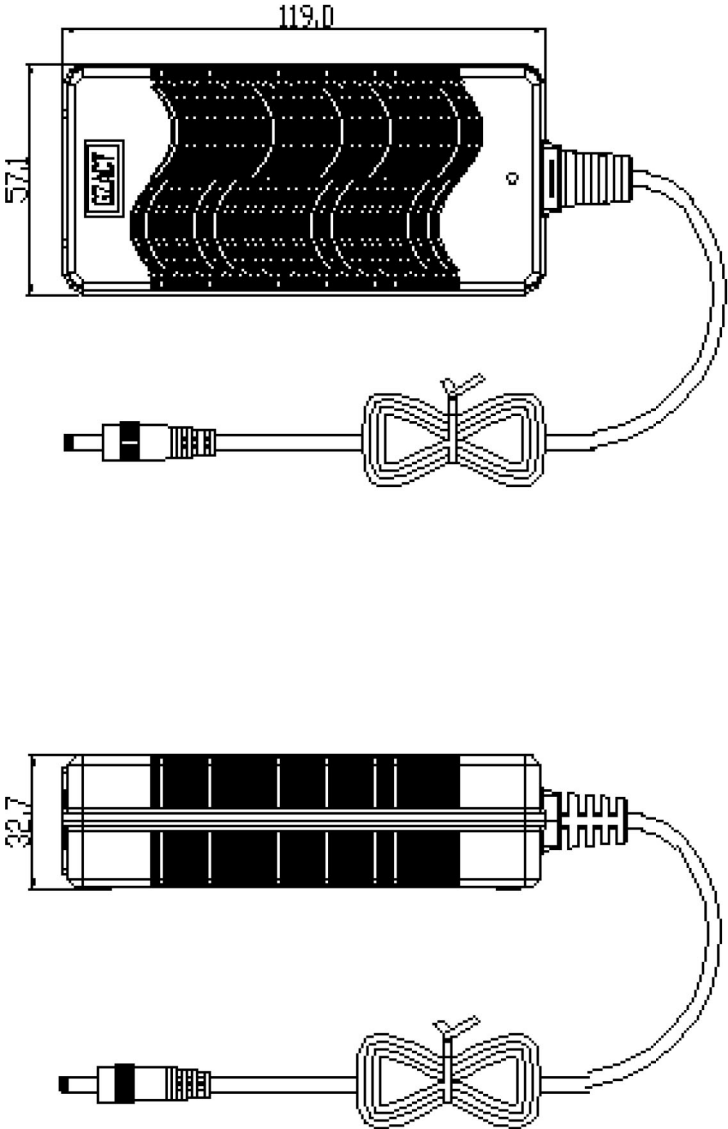
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|--------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 2. Mechanical Characteristics: |                                                                                   |                                                                                    |
| 2.1 Dimension                  | 119*57.1*32.7mm                                                                   | Length*Width*Height, ref. case drawing                                             |
| 2.2 AC Inlet                   | IEC C14                                                                           |                                                                                    |
| 2.3 AC cable                   | US 3pins,18AWG*3C, 1.5M with IEC C13 connector                                    | Ref. AC cable drawing                                                              |
| 2.4 Case Material              | PC                                                                                |                                                                                    |
| 2.5 DC cord                    | UL2464 20AWG*2C, 1.5M length with 5.5*.2.1*10MM DC connector                      | Ref. DC cord drawing                                                               |
| 2.6 DC connector Type          | DC Plug:5.5*2.1*10mm                                                              | Straight(barrel fork)                                                              |
| 2.7 DC connector Polarity      | Inner:Postitive; Outer: Negative                                                  |                                                                                    |
| 2.8 Surface                    | Damaged or rusted surface is not permitted                                        |                                                                                    |
| 2.9 Drop Test                  | X-Y-Z direction, 1M,one tieme with each direction                                 | After test, unit is not broken, disassembled or damaged to access hazardous parts. |
| 2.10 Vibration Test            | Frequency=10-55-10Hz, Amplitude 1.5mm, X-Y-Z direction, 30 minutes each direction | Under non-operating status, meet specification after test                          |
| 2.11 Strain Relief Bend Test   | 200g, total 180 degree,1500 times                                                 | Meet specification after test                                                      |
| 2.12 Strain Relief Pull Test   | Force 4Kg, 1 minute                                                               | Meet specification after test                                                      |
| 2.13 Cord Pull Test            | Force 7kg, 1 minute                                                               | Metter specification after test                                                    |
| 2.14 Color                     | White                                                                             | Fine texture                                                                       |

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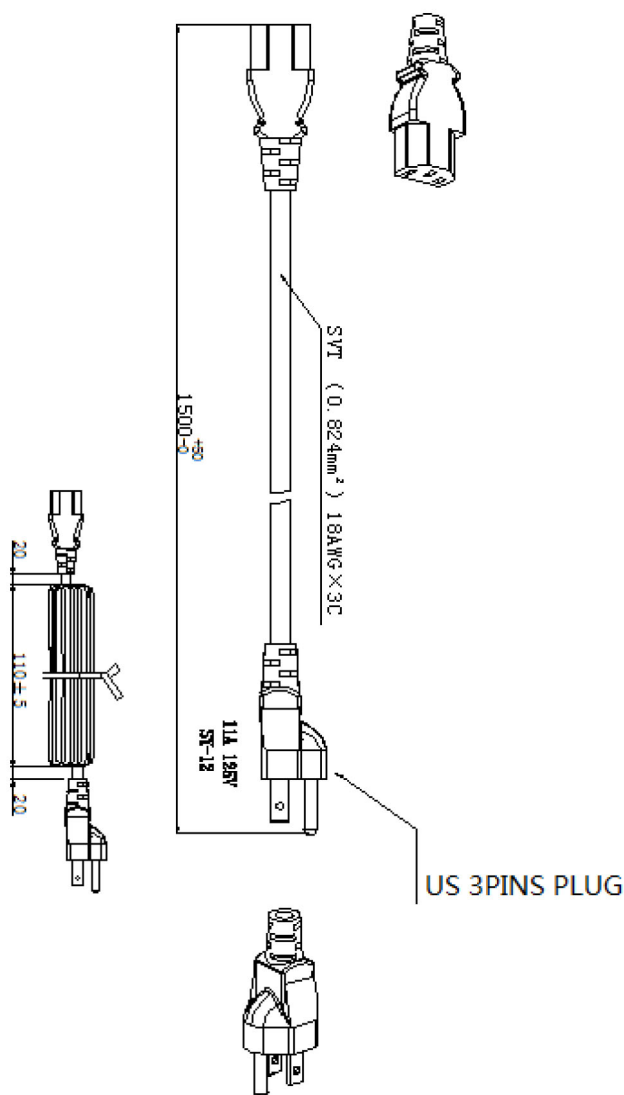
Environmental Characteristics:

|                                 |                                  |                                                    |
|---------------------------------|----------------------------------|----------------------------------------------------|
| 3.1 Storage Temperature Range   | -10°C~70°C                       | Typical 25°C                                       |
| 3.2 Operating Temperature Range | 0°C~40°C                         | Typical 25°C                                       |
| 3.3 Storage RH Range            | 5%~90%                           | RH: Relative Humidity, Non-condensing              |
| 3.4 Operating RH Range          | 5%~90%                           | RH: Relative Humidity, Non-condensing              |
| 3.5 Burn-in                     | 2hours(Normal)~4 hours(New item) | Each unit before shipping, full load at Vin=220Vac |

4.1 Case drawing



5.1 AC cable drawing



6.1 DC cord drawing

