


FILE NO.:

DATE: 2018-5-23

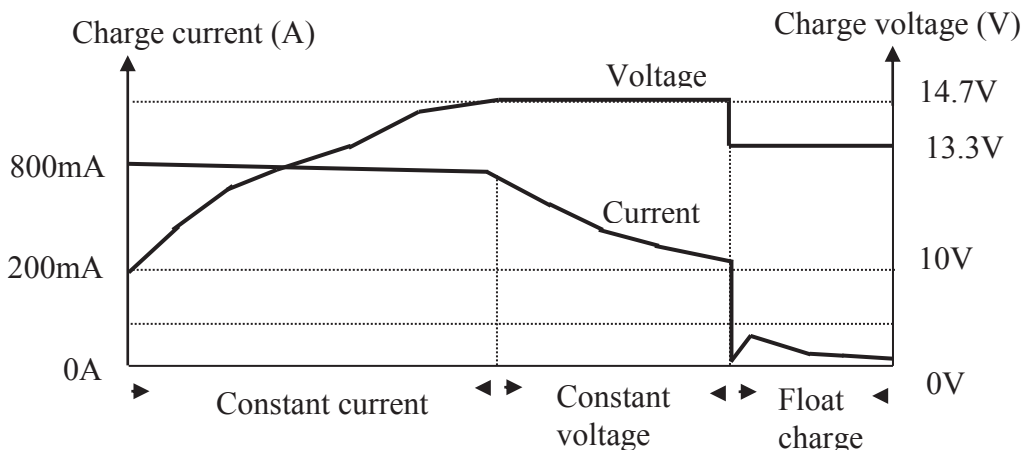
## SPECIFICATION

|   |                         |   |       |                            |  |            |   |
|---|-------------------------|---|-------|----------------------------|--|------------|---|
| MODEL   |                         | LC-2533                                 | NAME  | Class 2 battery charger    |  | PHOTO      |  |
| PART NO.  |                         |   | SPEC. | 12V 800mA                  |  |            |   |
| Switch Power Supply; For 12V lead-acid battery VRLA AGM AND GEL only. |                         |   |       |                            |  |            |   |
|   |                         |   |       |                            |  |            |   |
| I   | INPUT PROPERTY          |   |       |                            |  |            |   |
|   | 1                       | AC input voltage range                  |       | 90Vac~264Vac               |  | Universal  |   |
|   | 2                       | AC input voltage rating                 |       | 100Vac~240Vac              |  |            |   |
|   | 3                       | AC input frequency                      |       | 47Hz~63Hz                  |  |            |   |
|   | 4                       | AC input current                        |       | 0.2A@115Vac/0.13A@230Vac   |  | Max. (RMS) |   |
|   | 5                       | AC input power                          |       | 15W                        |  | Max.       |   |
|   | 6                       | AC input static state current           |       | 50mA                       |  | Max.       |   |
|   | OUTPUT PROPERTY         |   |       |                            |  |            |   |
|   | 1                       | Output voltage range                    |       | 10~15Vdc                   |  |            |   |
|   | 2                       | Output Current                          |       | 800mA@12Vdc                |  | ±10%       |   |
|   | 3                       | Output power                            |       | 12W                        |  | Max.       |   |
|   | 4                       | Bulk charge current rating              |       | 800mA                      |  | Typical    |   |
|   | 5                       | Bulk charge voltage rating              |       | 14.7Vdc                    |  | ±0.3Vdc    |   |
|   | 6                       | Float charge voltage rating             |       | 13.3Vdc                    |  | ±0.3Vdc    |   |
|   | 7                       | Light switching current                 |       | 200mA                      |  | ±50mA      |   |
| II  | GENERAL CHARACTERISTICS |   |       |                            |  |            |   |
|   | 1                       | Efficiency                              |       | 68%                        |  | Typical    |   |
|   | 2                       | Over load protection                    |       | <1A                        |  |            |   |
|   | 3                       | Short circuit protection                |       | Enable                     |  |            |   |
|   | 4                       | Reversed polarity connectors protection |       | Enable                     |  |            |   |
|   | 5                       | Operating temperature                   |       | 0°C~40°C                   |  |            |   |
|   | 6                       | Storage temperature                     |       | -30°C~85°C                 |  |            |   |
|   | 7                       | Operating relative humidity             |       | 8%~90%                     |  |            |   |
|   | 8                       | Storage relative humidity               |       | 5%~95%                     |  |            |   |
| III   | INDICATOR STATUS        |   |       |                            |  |            |   |
|   | 1                       | Green LED on                            |       | Empty load or float charge |  |            |   |
|   | 2                       | Red LED on                              |       | Bulk charge                |  |            |   |
|   | 3                       |   |       |                            |  |            |   |
|   | 4                       |   |       |                            |  |            |   |
|   | 5                       |   |       |                            |  |            |   |

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|-------|--|----------------------------|-------------------------|-------|-------------|
| IV    | SAFETY   |                            |                         |       |             |
|       | 1  | Withstand Voltage (Hi-Pot) | 3000Vac ≤ 10mA (60s)    |       | I/P to O/P  |
|       | 2  | Insulation Resistance      | >100MΩ @500Vdc          |       | 25°C &70%RH |
|       | 3  | Temperature Rise           | <75°C                   |       | Case        |
|       | 4  | Safety Standard            | ETL                     |       |             |
|       |  |                            |                         |       |             |
|       | RELIABILITY  |                            |                         |       |             |
| VI    | 1  | Spot test                  | Burn in 24h at 40°C     |       | Full load   |
|       | 2  | Whole test                 | Burn in 1h at 40°C      |       | Full load   |
|       | 3  |                            |                         |       |             |
| VII   | MECHANICAL CHARACTERISTICS   |                            |                         |       |             |
|       | 1  | Net Weight                 | 90g                     |       |             |
|       | 2  | Dimension                  | 80*50*57mm              |       | L × W × H   |
|       | 3  | Enclosure                  | Plastic case            |       |             |
| VIII  | CHARGE CHARACTERISTICS   |                            |                         |       |             |
|       | <div><div>Charge current (A)</div><div>Charge voltage (V)</div><div></div></div> |                            |                         |       |             |