



**TT BATTERY CHARGING UNIT-MOBILE-72V-80A  
SRJ-TT-AC-MBL-72V-80A**



**PFC $\geq$ 0.98**



**Overvoltage protection**



**Over temperature protection**



**Short circuit protection**

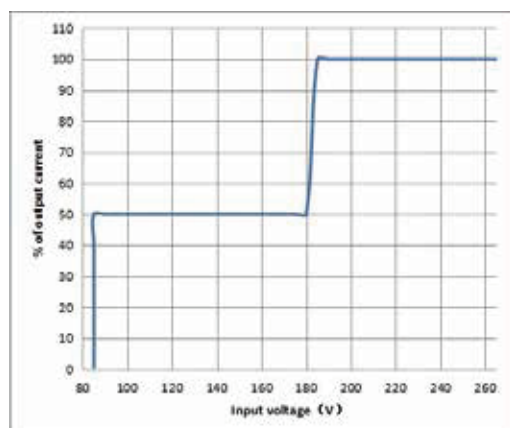


**IP20**

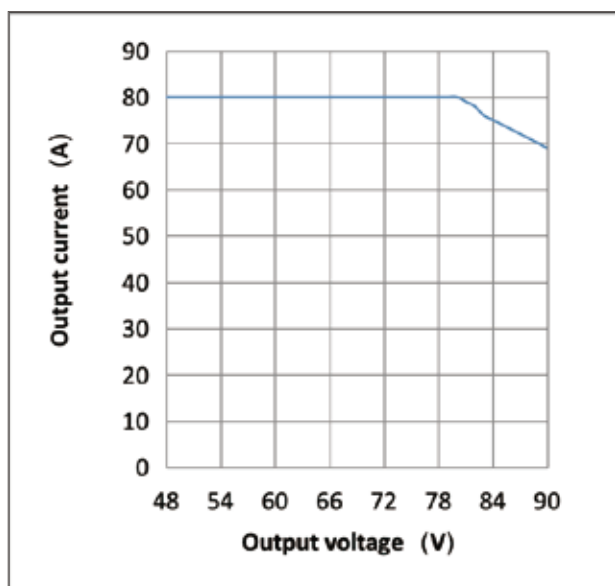
## Technical Data

| Model                       |  | SRJ-TT-AC-MBL-72V-80A                                                                                                |
|-----------------------------|--|----------------------------------------------------------------------------------------------------------------------|
| Input                       |  |                                                                                                                      |
| Voltage range               |  | 90~264VAC                                                                                                            |
| Frequency range             |  | 47Hz~60Hz                                                                                                            |
| Wiring                      |  | L、N、PE                                                                                                               |
| Rated input current         |  | ≤32A                                                                                                                 |
| Power factor                |  | ≥0.99@220Vac 50-100% Load                                                                                            |
| Output                      |  |                                                                                                                      |
| Output Voltage              |  | 48~90VDC                                                                                                             |
| Max. Output Power           |  | 10A-80A                                                                                                              |
| Max. Output Current         |  | 6400W(190Vac~264Vac)                                                                                                 |
| Voltage regulation accuracy |  | ≤±0.5%Vo                                                                                                             |
| Ripple and Noise            |  | ≤±2%Vo @ 25℃ output full-load (Bandwidth≤20MHz)                                                                      |
| Protection                  |  |                                                                                                                      |
| Output overcurrent          |  | 110% output off (Automatic recovery) , 120% stop charging (Need to restart)                                          |
| Output overvoltage          |  | Stop charging when output voltage is greater than the settled voltage 3V                                             |
| Input overvoltage           |  | 270±2Vac output off, 265±2Vac output recovery                                                                        |
| Input undervoltage          |  | 85±2Vac close the output, 90±2Vac output recovery                                                                    |
| Low input voltage derating  |  | 90Vac-180Vac output current limited to 50% of the maximum current, Input voltage> 185Vac return to full power output |
| Environment                 |  |                                                                                                                      |
| Working Temp.               |  | -20℃ -+55℃ (>40℃ derating)                                                                                           |
| Working humidity            |  | 20%-90% (non-condensing)                                                                                             |
| Storage temp., humidity     |  | -25℃ -+75℃ , 10-90% RH                                                                                               |
| Altitude                    |  | ≤2000m                                                                                                               |
| System                      |  |                                                                                                                      |
| Efficiency                  |  | ≥92.5%@220Vac 50-100% load (highest over 94%)                                                                        |
| Communication method        |  | RS485/CAN                                                                                                            |
| Dimensions                  |  | 352.4mm×279.4mm×183.8mm                                                                                              |
| Weight                      |  | 14.5kg                                                                                                               |
| Color                       |  | Blue color                                                                                                           |
| Indicator state             |  |                                                                                                                      |
| Standby                     |  | Green light flashing                                                                                                 |
| Charging                    |  | Steady green light                                                                                                   |
| Fault                       |  | Steady red light                                                                                                     |

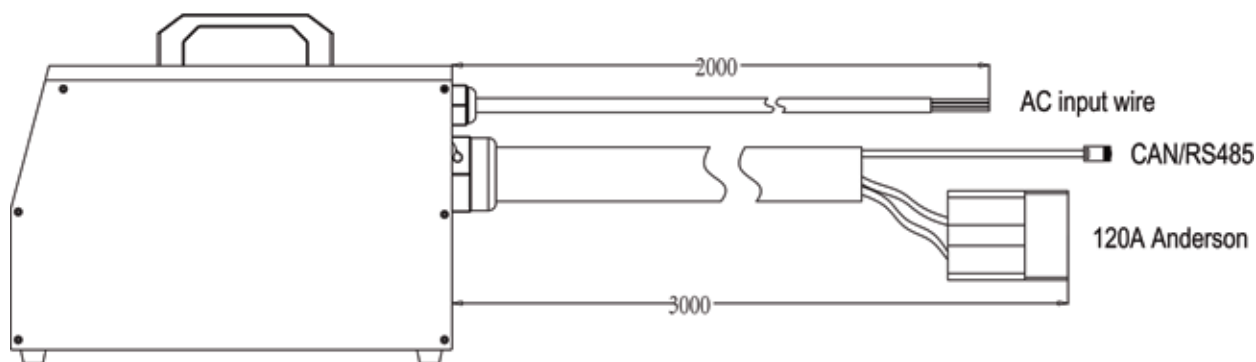
## Input Characteristic Curve



## Output Characteristic Curve



## Wiring Instructions

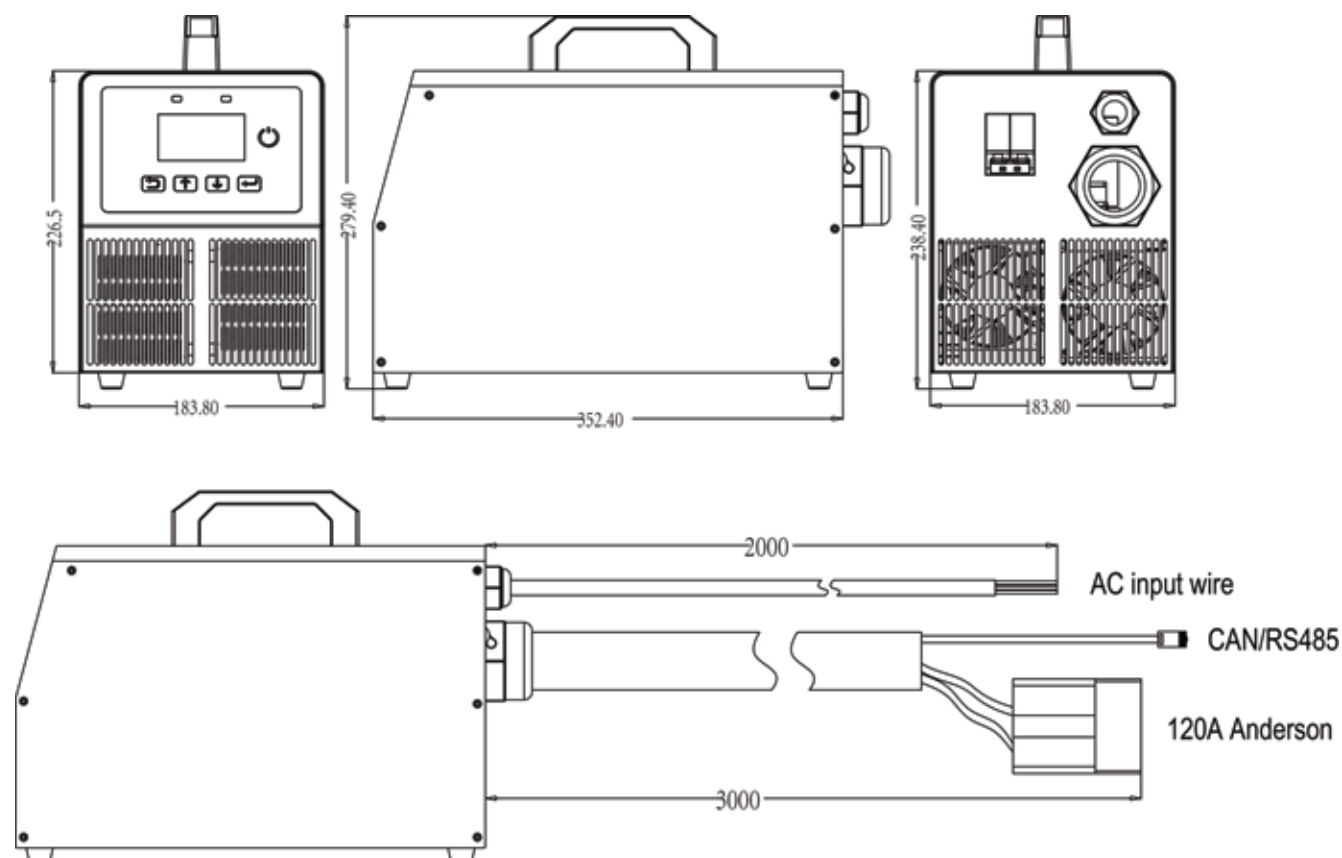


| Signal name | Terminal model               | Pin number   | Pin Description |
|-------------|------------------------------|--------------|-----------------|
| AC Input    | E6012 tubular terminal block | Brown        | L               |
|             |                              | Blue         | N               |
|             |                              | Yellow-Green | PE              |
| Battery     | 120A Anderson                | Red          | BAT+            |
|             |                              | Black        | BAT-            |
| CAN         | RJ45                         | 1、2、3、6、8    | NC              |
|             |                              | 4            | CANH            |
|             |                              | 5            | CANL            |
|             |                              | 7            | GND             |
| RS485       | RJ45                         | 1            | 485-B           |
|             |                              | 2            | 485-A           |
|             |                              | 3            | GND             |
|             |                              | 4、5、6、7、8    | NC              |

## Application scenarios



## Product Dimensions



(Unit: mm)