

# Specifications

## General

|                                     |   |
|-------------------------------------|---|
| Model                               | Venus-C/E   |
| Dimension                           | 450*550*200mm/560*690*201mm   |
| Weight                              | 45±0.5kg/60±0.5kg   |
| Operation Temp. Range               | -20°C~+55°C(Storage: -30°C~+85°C)   |
| Protection Class                    | IP65  |
| Overvoltage/Voltage Withstand Level | DC II/AC III  |
| Isolation Type                      | Isolated  |
| Cooling Strategy                    | Natural Convection  |
| Max.Operating Altitude              | 2000m   |
| Relative Humidity                   | 0-95%   |
| On Grid Connection Standard         | VDE 4105/0124,TOR R25,NF EN50549-1,UNE217001/217002,NTS 631,CE10-21,PETREE,PN-EN 50549-1/-2,G98,AS4777.2      |
| Regulatory/EMC                      | IEC62040,IEC62477,IEC/EN 61000-6-1/-2/-3/-4,IEC/EN 61000-3-2/-3,EN 300 328,EN 301 489-1/-17,EN 50665,CB 62619 |

## Battery-Info

|                           |                                  |
|---------------------------|----------------------------------|
| Model                     | Venus-C/E                        |
| Capacity                  | 2560Wh/5120Wh                    |
| Battery-Type              | LiFePO4 (Lithium Iron Phosphate) |
| Life cycle                | >6000 Times (25°C)               |
| Rated Voltage             | 51.2V(16S)                       |
| Max. Battey AC Efficiency | >93.5%                           |

## AC Input/Output (On Grid)

|                           |   |
|---------------------------|---|
| Rated Power Input/Output  | 2.5kW/800W  |
| Operation Phase           | L/N/PE  |
| Rated Grid Voltage        | 230V  |
| Grid Voltage Range        | 187V~253V   |
| Rated Grid Frequency      | 50Hz  |
| Rated Grid Output Current | 10.9A   |
| Power Factor              | >0.99(Default)<br>0.8leading...0.8lagging(Adjustable) |
| THDi                      | <3%   |

## Back up(Off Grid)

|                                |             |
|--------------------------------|-------------|
| Rated Output Power             | 2.5kW       |
| Max. Apparent Output Power     | 3.5kVA, 10A |
| Rated Grid Voltage             | 230V        |
| Rated Output Current           | 10.9A       |
| Rated Output voltage Frequency | 50Hz        |
| THDu(Linear)                   | <3%         |

## Additional Data

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| On Grid AC Connection             | Three-wire Household Plug(Euro 16A)   |
| Backup Connection                 | Three-hole socket (blue Euro-Socket)  |
| Display                           | LED                                   |
| Supported Communication Interface | WIFI&RS485(Wasserproof aviation plug) |