

# Parameters

| TECHNICAL INDEX                   | Parameter                                                        | TECHNICAL INDEX                 | Parameter                                                            |
|-----------------------------------|------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------|
| SOLAR CHARGER&AC CHARGER          |                                                                  | Battery                         |                                                                      |
| Solar Charger Type                | MPPT                                                             | Battery Voltage                 | 48VDC                                                                |
| Max.PV Array Power                | 6500W                                                            | Floating Charge Voltage         | 54VDC                                                                |
| Max.PV Array Open Circuit Voltage | 500VDC                                                           | OverCharge Protection           | 63VDC                                                                |
| PV Array MPPT Voltage Range       | 60VDC-500VDC                                                     | Nominal Energy                  | 10.24kWh                                                             |
| Max.SolarInput Current            | 27A                                                              | Lithium Battery Activation      | YES(By PV)                                                           |
| Max.Solar Charge Current          | 120A                                                             | Lithim batteryCommunication     | CAN, RS485, RS232(PC)                                                |
| Max.AC Charge Current             | 80A                                                              | Cycle Life                      | 6000cycle life (25±5℃, 0.25C, 80%DOD)                                |
| Max.Charge Current(PV+AC)         | 120A                                                             | Protection                      | Overcharge, over-discharge, over-current, overheating, short-circuit |
| AC input                          |                                                                  |                                 |                                                                      |
| Nominal Voltage                   |                                                                  | Frequency                       | 50/60Hz(Auto sensing)                                                |
| Acceptable Voltage Range          | 170-280VAC(For personal Computer);90-280vac(For Home Appliances) |                                 |                                                                      |
| OUTPUT                            |                                                                  |                                 |                                                                      |
| Capacity                          | 6.2KVA/6.2KW                                                     | Transfer Time                   | 10ms(For personal Computer);20ms(For Home Appliances)                |
| Nominal Voltage                   | 220/230VAC±5%                                                    | Overload Protection             | 5s@ >=140% load;10s@ 110%~140% load                                  |
| Surge Power                       | 12400VA                                                          | Admissible Power Factor         | 0.6~1(inductive or capacitive)                                       |
| Frequency                         | 50Hz/60Hz                                                        | Peak Efficiency(PV to INV)      | 96%                                                                  |
| Waveform                          | Pure Sine wave                                                   | Peak Efficiency(Battery to INV) | 93%                                                                  |
| Basic parameters                  |                                                                  |                                 |                                                                      |
| OperatingTemperature Range        | (-10℃to50℃)                                                      | Protection grade                | IP20                                                                 |
| Storage Temperature               | (-15℃to50℃)                                                      | Authentication                  | CCE, RoHS, FCC, Reach, UL, UN38.3,MSDS, ISO                          |
| Humidity                          | 5%to95%(Non-condensing)                                          | Communication                   | RS232+RS485                                                          |
| Cooling method                    | Cooling method                                                   | Warranty                        | 5 years (free) 10 years (paid)                                       |
| Installation method               | Wall mounted/floor standing                                      | Maximum efficiency              | 93%                                                                  |



## Scenarios



Household



Surface power station



Marine power generation



Base station