



# GreenFlow

All-in-One Hybrid Energy Storage System | JMSA-1200



1200W Max Input/Output Power



Floor-mounted design easy to install



All-in-One design



Supports off-grid operation

| DC (PV Input)                     |  | GreenFlow JMSA-1200  |
|-----------------------------------|--|----------------------|
| Number of MPPTs                   |  | 2                    |
| Maximum PV Module Power           |  | 700 Wp×2             |
| Recommend PV Vmp                  |  | 28~48 Vd.c.          |
| Maximum PV Input Voltage          |  | 60 Vd.c.             |
| Starting Voltage                  |  | 20 Vd.c.             |
| Maximum Input Current (per MPPT)  |  | 20 Ad.c.             |
| AC Input / Output (On-Grid)       |  |                      |
| Grid Type                         |  | Single phase         |
| Rated Power                       |  | 1200 W               |
| Maximum Apparent Power            |  | 1200 VA              |
| Rated Voltage                     |  | 230 Vd.c.            |
| Maximum Current Output            |  | 5.5 Ad.c.            |
| AC Frequency                      |  | 50 Hz                |
| THDi                              |  | <1%                  |
| Power Factor Range                |  | – 0.8~0.8            |
| Back-up (Off-Grid)                |  |                      |
| Rated Power                       |  | 1200 W               |
| Rated Grid Voltage                |  | 230 Va.c.            |
| Max Output Current                |  | 5.5 Aa.c.            |
| AC Frequency                      |  | 50Hz                 |
| Efficiency                        |  |                      |
| Maximum Efficiency of PV Charging |  | 98%                  |
| Maximum Efficiency of Discharge   |  | 96%                  |
| General Parameters                |  |                      |
| Communication                     |  | Bluetooth, WiFi, CAN |
| Mounting                          |  | Floor-mounted        |
| Dimensions (WxHxD)                |  | 450×385×205 mm       |
| Net Weight                        |  | 29.6 kg              |
| Warranty                          |  | 10 years             |

| Parameter                     | BATTERY                             |
|-------------------------------|-------------------------------------|
| Battery Energy                | 2.6 kWh                             |
| Rated Voltage                 | 51.2 V                              |
| Battery Capacity              | 50 Ah                               |
| Life Cycles                   | 6000(25°C, 0.5C, 90%DOD, 70%EOL)    |
| Battery Type                  | LiFePO <sub>4</sub>                 |
| Operating Voltage Range       | 44.8~55.8 V                         |
| Maximum Charging Power        | 1.5 kW                              |
| Features                      |                                     |
| Operating Ambient Temperature | Charge –10~55°C; Discharge –20~55°C |
| Operating Relative Humidity   | 0%–100% RH                          |
| Maximum Working Altitude      | 4000m(2000m derating)               |
| Cooling Method                | Natural Convection                  |
| Protection Level              | IP65                                |