



# All-in-one

HARVEYPOW On/Off Grid Energy Storage System

Inverter Power: 3.5KW,6.2KW,8KW,10KW(Optional)

Battery Catacity: 5.12KWH-20.48KWH

## Technical Specifications(BAT&SYSTEM)

|                    |                    |                |                |                |
|--------------------|--------------------|----------------|----------------|----------------|
| MODEL              | HV-S512100-SP-LV   |                |                |                |
| Nominal DC Voltage | 51.2V              |                |                |                |
| Battery Capacity   | 100Ah              | 200Ah(100Ah*2) | 300Ah(100Ah*3) | 400Ah(100Ah*4) |
| Energy(kWh)        | 5.12KWh            | 10.24KWh       | 15.36KWh       | 20.48KWh       |
| Cycle Life         | 8000 cycle(90%D0D) |                |                |                |
| Certification      | UN38.3,MSDS,CE-EMC |                |                |                |
| MODEL              | HV-2V200-SP-LV     |                |                |                |
| Nominal DC Voltage | 25.6V              |                |                |                |
| Battery Capacity   | 200Ah              | 400Ah(200Ah*2) | 600Ah(200Ah*3) | 800Ah(200Ah*4) |
| Energy(kWh)        | 5.12KWh            | 10.24KWh       | 15.36KWh       | 20.48KWh       |
| Cycle Life         | 8000 cycle(90%D0D) |                |                |                |
| Certification      | UN38.3,MSDS,CE-EMC |                |                |                |

## Technical Specifications ( Inverter)

| MODEL                              | GF-3.5KW                                    | GF-6.2KW    | GF-8KW  | GF-10KW |
|------------------------------------|---------------------------------------------|-------------|---------|---------|
| Recommend max. PV input power      | 4000W                                       | 6500W       | 5000W*2 | 5500W*2 |
| Max. PV Array Open Circuit Voltage | 500Vdc                                      |             |         |         |
| PV Array MPPT Voltage Range        | 60Vdc~500Vdc                                |             |         |         |
| Max. Input Current                 | 15A                                         | 27A         | 18A     | 18A     |
| No. of PV strings per MPPT         | 1                                           |             | 2       | 2       |
| Parallel                           | No parallel                                 |             |         |         |
| Max. Charging Current(PV)          | 100A                                        | 120A        | 140A    | 160A    |
| Max. Charging Current(PV+AC)       | 100A                                        | 120A        | 140A    | 160A    |
| OUTPUT POWER                       |                                             |             |         |         |
| Full Load                          | 3500W                                       | 6200W       | 8500W   | 11000W  |
| Maximum Second Load                | 7000W                                       | 12400W      | 17000W  | 22000W  |
| AC OUTPUT                          |                                             |             |         |         |
| Rate Voltage                       | 220/230VAC±5%                               |             |         |         |
| Frequency                          | 50/60Hz                                     |             |         |         |
| Waveform                           | Pure Sine Wave                              |             |         |         |
| Overload Protection                | 5s@≥140% Loading, 10s@100%~140% Loading.    |             |         |         |
| Maximum Conversion Efficiency      | 94%                                         |             |         |         |
| AC INPUT                           |                                             |             |         |         |
| Rate Voltage                       | 230VAC                                      |             |         |         |
| Voltage Range                      | 170-280VAC, 90-280VAC                       |             |         |         |
| Frequency                          | 50/60Hz                                     |             |         |         |
| Max. Charging Current(AC)          | 80A                                         |             | 100A    |         |
| BATTERY                            |                                             |             |         |         |
| Voltage                            | 25.6V / 24V                                 | 51.2V / 48V |         |         |
| Battery type                       | Lithium/ Gel Battery                        |             |         |         |
| General Specifications             |                                             |             |         |         |
| Operating Temperature Range        | -20℃ ~ 55℃                                  |             |         |         |
| Storage Temperature                | -20℃ ~ 60℃                                  |             |         |         |
| Humidity                           | 5% to 95% Relative Humidity(Non-condensing) |             |         |         |
| Communication Port                 | RS485(RJ45)/RS232(DB9)                      |             |         |         |