



# SSE-HL8K~15K-P2US

## Split-Phase Hybrid Inverter

Residential Use

IP 65

10-Year Warranty



Easy to install



A variety of intelligent working modes



Remote monitoring via APP or Web



Support BMS communication

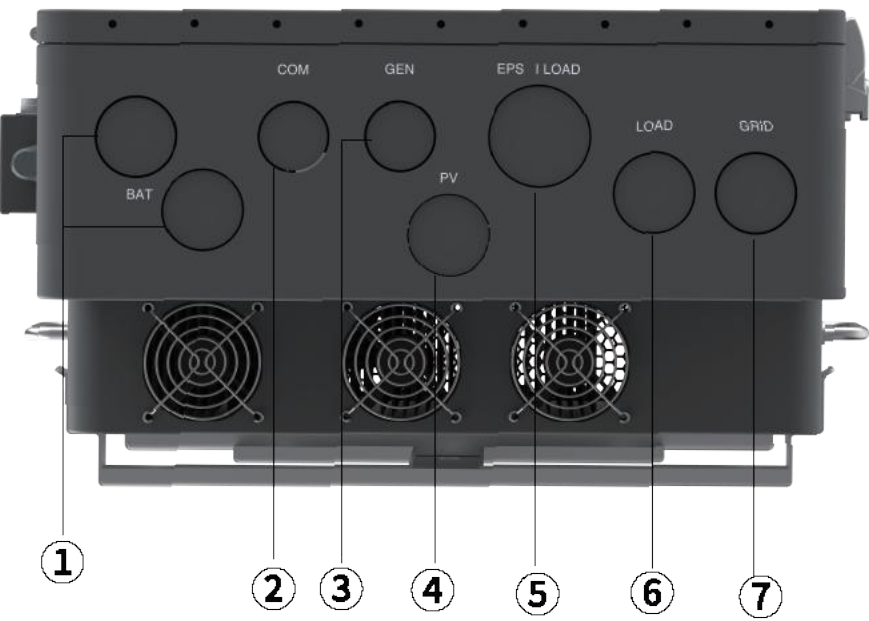


IP65, long lifespan

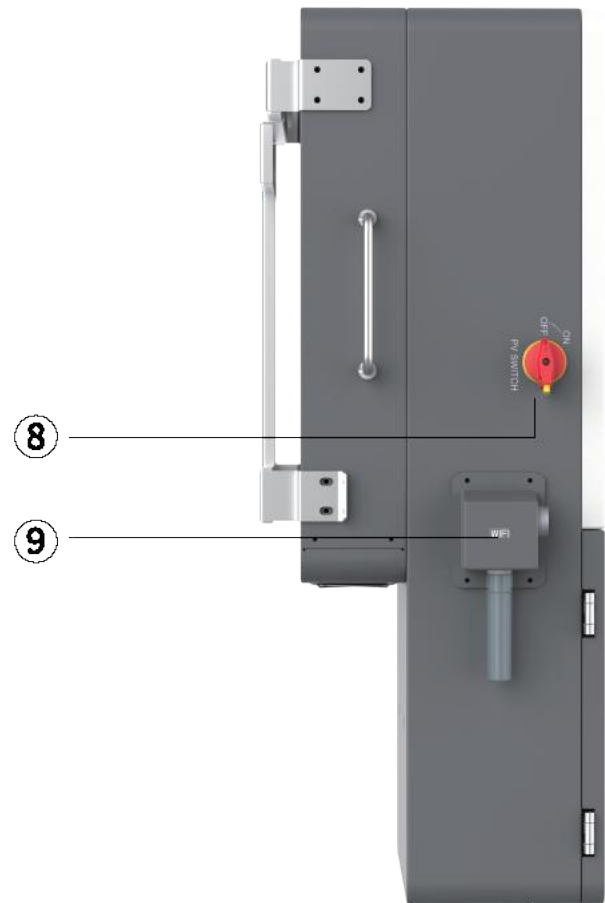


Integrated 3 MPPTs

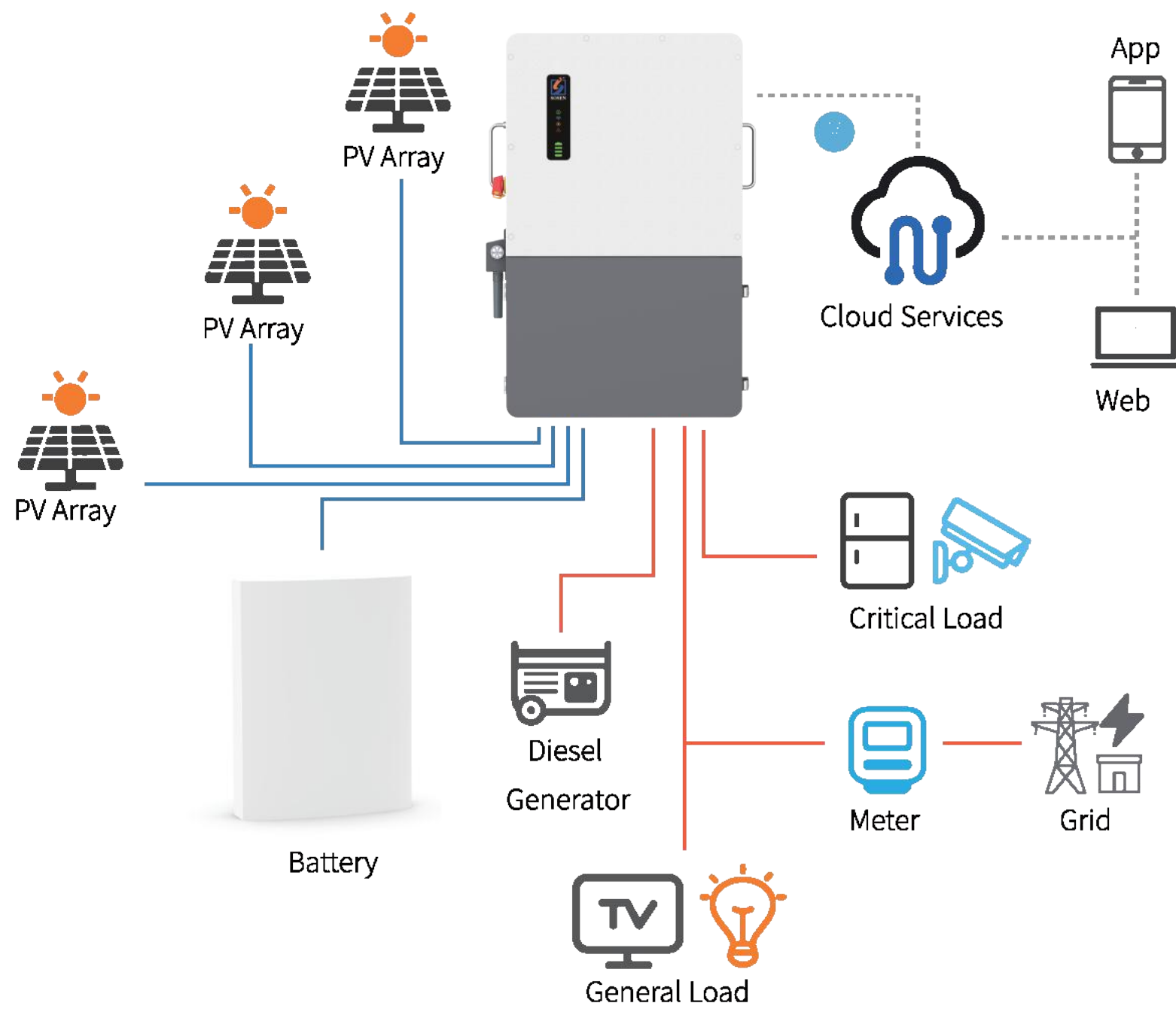
### Port Description



- 1.BAT
- 2.COM1
- 3.GEN
- 4.PV
- 5.EPS/LOAD
- 6.LOAD
- 7.GRID
- 8.PV SWITCH
- 9.WIFI



### Product Application Diagram



### TECHNICAL SPECIFICATION

| Model                              | SSE-HL8K-P2SA                                                                 | SSE-HL10K-P2SA | SSE-HL12K-P2SA | SSE-HL15K-P2SA |
|------------------------------------|-------------------------------------------------------------------------------|----------------|----------------|----------------|
| INVERTER INPUT / OUTPUT (GRID)     |                                                                               |                |                |                |
| Rated Power                        | 8 kW                                                                          | 10 kW          | 12 kW          | 15 kW          |
| Rated Voltage                      | 120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)                 |                |                |                |
| Rated Frequency                    | 50 Hz / 60 Hz                                                                 |                |                |                |
| Power Factor Range                 | 0.8 leading ~ 0.8 lagging                                                     |                |                |                |
| Switch Time                        | <10 ms                                                                        |                |                |                |
| Current (Maximum Continuous)       | 33.4 A a.c.                                                                   | 41.7 A a.c.    | 50 A a.c.      | 62.5 A a.c.    |
| Max. Output Overcurrent Protection | 250 V a.c. / 125 A a.c                                                        |                |                |                |
| BATTERY                            |                                                                               |                |                |                |
| Battery Type                       | Lithium / Lead-acid                                                           |                |                |                |
| Battery Voltage Range              | 40 ~ 60 V d.c.                                                                |                |                |                |
| Rated Battery Voltage              | 51.2 V d.c.                                                                   |                |                |                |
| Max. Charge Current                | 167 A d.c.                                                                    | 210 A d.c.     | 250 A d.c.     | 270 A d.c.     |
| Max. Discharge Current             | 167 A d.c.                                                                    | 210 A d.c.     | 250 A d.c.     | 270 A d.c.     |
| Reverse Connect Protection         | Yes                                                                           |                |                |                |
| PV INPUT                           |                                                                               |                |                |                |
| No. of MPPT Tracker / Strings      | 2 / 2+2                                                                       | 3 / 2+2+2      | 3 / 2+2+2      | 3 / 2+2+2      |
| Max. PV Array Power                | 12 kW                                                                         | 15 kW          | 18 kW          | 22.5 kW        |
| Max. DC Voltage                    | 525 V d.c.                                                                    |                |                |                |
| MPPT Voltage Range                 | 120 ~ 500V d.c.                                                               |                |                | 195~500 V d.c. |
| Start-up Voltage                   | 100 V d.c.                                                                    |                |                |                |
| Max. Input Current                 | 26 +26 +26 A d.c.                                                             |                |                |                |
| Isc PV (Absolute Maximum)          | 39 A d.c.                                                                     |                |                |                |
| AC OUTPUT (EPS)                    |                                                                               |                |                |                |
| EPS Rated Output Voltage           | 120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)                 |                |                |                |
| EPS Rated Output Frequency         | 50 Hz / 60 Hz                                                                 |                |                |                |
| EPS Rated Output Active Power      | 8 kW                                                                          | 10 kW          | 12 kW          | 15 kW          |
| EPS Rated Output Apparent Power    | 8 kVA                                                                         | 10 kVA         | 12 kVA         | 15 kVA         |
| EPS Rated Output Current           | 33.4 A a.c.                                                                   | 41.7 A a.c.    | 50 A a.c.      | 62.5 A a.c.    |
| Overload Capacity (Off Grid)       | 200% 10s                                                                      |                |                |                |
| EFFICIENCY                         |                                                                               |                |                |                |
| MPPT Efficiency                    | 99.50%                                                                        |                |                |                |
| California-efficiency              | 96.50%                                                                        |                |                |                |
| Max. Efficiency                    | 97.50%                                                                        |                |                |                |
| PROTECTION & FEATURE               |                                                                               |                |                |                |
| Insulation Monitoring              | Yes                                                                           |                |                |                |
| Residual Current Monitoring        | Yes                                                                           |                |                |                |
| Parallel Function                  | Yes                                                                           |                |                |                |
| Protection Degree                  | IP65                                                                          |                |                |                |
| Certifications                     | IEEE1547, CA RULE21, HECO SRD V2.0, UI1741, UL1741 SA/SB, CSA C22.2, UL1699B. |                |                |                |
| Other Protection                   | Overload, Over temperature, Short circuit, Anti-islanding                     |                |                |                |
| GENERAL PARAMETER                  |                                                                               |                |                |                |
| Storage Temperature                | -25°C ~ +60°C (-13°F ~ +140°F)                                                |                |                |                |
| Operating Temperature              | - 25°C ~ +60°C (-13°F ~ +140°F), > +45°C (+113°F) Derating to 60%             |                |                |                |
| Humidity                           | 0 ~95% (Non-condensing)                                                       |                |                |                |
| Operating Altitude                 | 4000 m (> 2000 m Derating)                                                    |                |                |                |
| Noise                              | <45 dB                                                                        |                |                |                |
| Machine Dimensions (W*H*D)         | 466*756*242 mm (18.35*29.76*9.35 in)                                          |                |                |                |
| Machine Weight / N.W.              | 45 kg (99.21 lbs)                                                             |                |                |                |
| DISPLAY & COMMUNICATION            |                                                                               |                |                |                |
| Display                            | LED + APP                                                                     |                |                |                |
| Interface                          | RS485 / WiFi / CAN (Optional: Bluetooth / LAN / 4G / Meter)                   |                |                |                |

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.