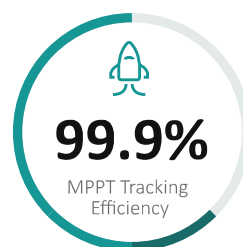
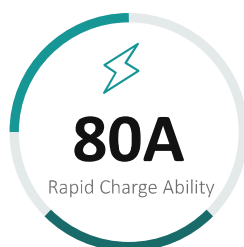
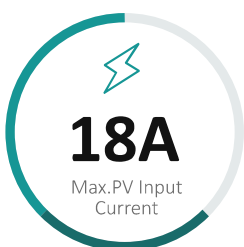




## Single Phase Off-grid Inverter

HESS-OF-S-5K

SMART ENERGY  
SUSTAINABLE SOLUTIONS „



### Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

### Safety

- 360 degrees of security from hardware to software
- Multiple safety approvals available

### User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

### Powerful

- Support for many types of batteries
  - Reliable output for long periods at rated power
- Reliable

### Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power

### Intelligent

- Exclusive Li-ion battery BMS dual activation
- Remote monitoring operating parameters

# Single Phase Off-grid Inverter

| Model                                 | HESS-OF-S-5K                      |
|---------------------------------------|-----------------------------------|
| <b>Inverter Output</b>                |                                   |
| Rated Output Power                    | 5000W                             |
| Max. Peak Power                       | 10000VA                           |
| Rated Output Voltage                  | 230Vac                            |
| Load Capacity of Motors               | 4HP                               |
| Rated AC Frequency                    | 50Hz/60Hz                         |
| Waveform                              | Pure Sine Wave                    |
| Switch Time                           | 10ms (typical)                    |
| <b>Battery</b>                        |                                   |
| Battery Type                          | Li-ion / Lead-Acid / User Defined |
| Rated Battery Voltage                 | 48Vdc                             |
| Battery Voltage Range                 | 40-60Vdc                          |
| Max. MPPT Charging Current            | 80A                               |
| Max. Mains/Generator Charging Current | 60A                               |
| Max. Hybrid Charging Current          | 80A                               |
| <b>PV Input</b>                       |                                   |
| Num. of MPP Trackers                  | 1                                 |
| Max. PV array power                   | 5200W                             |
| Max. input current                    | 18A                               |
| Max. Voltage of Open Circuit          | 500Vdc                            |
| MPPT Voltage Range                    | 120-450Vdc                        |
| <b>Mains/Generator Input</b>          |                                   |
| Input Voltage Range                   | UPS: 170~280Vac APL: 90~280Vac    |
| Frequency Range                       | 50Hz/60Hz                         |
| Bypass Overload Current               | 40A                               |
| <b>Efficiency</b>                     |                                   |
| MPPT Tracking Efficiency              | 99.9%                             |
| Max. Battery Inverter Efficiency      | 92%                               |
| <b>General</b>                        |                                   |
| Dimensions                            | 426*322*124mm                     |
| Weight                                | 10.8kg                            |
| Ingree Protection Degree              | IP20, Indoor Only                 |
| Operating Temperature Range           | -15°C ~ 55°C                      |
| Noise                                 | <60dB                             |
| Cooling Method                        | Intelligent fan                   |
| <b>Communication</b>                  |                                   |
| Embedded Interfaces                   | RS485/CAN/USB/Dry contact         |
| External Modules (Optional)           | WiFi/GPRS                         |
| <b>Certification</b>                  |                                   |
| Safety                                | IEC 62109                         |
| EMC                                   | EN 61000                          |
| RoHS                                  | Yes                               |