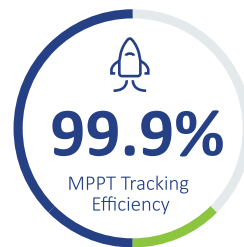
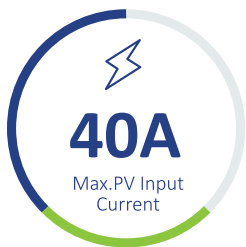




# Single Phase Off-grid Inverter

HESS-OF-S-3.3K

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
- With IEC, SAA, cETL, FCC certification

## User-Friendly

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

## All in one

- Support for many types of batteries
- Supports Li-ion battery BMS communication

## 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
- Support for remote monitoring of operating parameters

# Single Phase Hybrid Inverter

| Model                                | HESS-OF-S-3.3K                               |
|--------------------------------------|--|
| <b>Inverter Output</b>               |  |
| Rated Output Power                   | 3300W  |
| Max.Peak Power                       | 6000VA                                       |
| Rated Output Voltage                 | 230Vac                                       |
| Load Capacity of Motors              | 2HP  |
| 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  |
| Voltage Range                        | 40-60Vdc                                     |
| Max.MPPT Charging Current            | 60A  |
| Max.Mains/Generator Charging Current | 60A  |
| Max.Hybrid Charging Current          | 120A   |
| <b>PV Input</b>                      |  |
| Num.of MPP Trackers                  | 1  |
| Max.PV array power                   | 3400W  |
| Max.input current                    | 40A  |
| Max.Voltage of Open Circuit          | 145Vdc                                       |
| MPPT Voltage Range                   | 60-115Vdc                                    |
| <b>Mains/Generator Input</b>         |  |
| Input Voltage Range                  | UPS: 170~280Vac APL: 90~280Vac               |
| Frequency Range                      | 50Hz/60Hz                                    |
| Bypass Overload Current              | 30A  |
| <b>Efficiency</b>                    |  |
| MPPT Tracking Efficiency             | 99.9%  |
| Max. Battery Inverter Efficiency     | 92%  |
| <b>General</b>                       |  |
| Dimensions                           | 378*280*103mm                                |
| Weight                               | 6.2kg  |
| Protection Degree                    | IP20, Indoor Only                            |
| Operating Temperature Range          | -10°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                               | CE(IEC 62109-1)/CETL(UL 1741 C22.2 No.107.1) |
| EMC                                  | EN61000                                      |
| RoHS                                 | Yes  |



Product Info

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