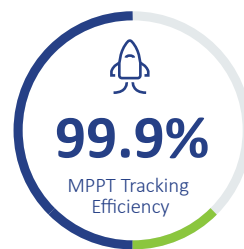
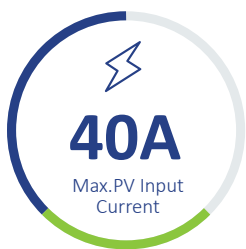




Single Phase Off-grid Inverter

HESS-OF-S-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
- 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
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Power saving mode to reduce no-load loss

Intelligent

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

Single Phase Off-grid Inverter

| Model | HESS-OF-S-3K |
|---------------------------------------|-----------------------------------|
| Inverter Output | |
| 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) |
| Battery | |
| Battery Type | Li-ion / Lead-Acid / User Defined |
| Rated Battery Voltage | 48Vdc |
| Battery Voltage Range | 40-60Vdc |
| Max. MPPT Charging Current | 60A |
| Max. Mains/Generator Charging Current | 60A |
| Max. Hybrid Charging Current | 120A |
| PV Input | |
| Num. of MPP Trackers | 1 |
| Max. PV array power | 3400W |
| Max. input current | 40A |
| Max. Voltage of Open Circuit | 145Vdc |
| MPPT Voltage Range | 65-115Vdc |
| Mains/Generator Input | |
| Input Voltage Range | UPS: 170~280Vac APL: 90~280Vac |
| Frequency Range | 50Hz/60Hz |
| Bypass Overload Current | 30A |
| Efficiency | |
| MPPT Tracking Efficiency | 99.9% |
| Max. Battery Inverter Efficiency | 92% |
| General | |
| Dimensions | 378*280*103mm |
| Weight | 6.2kg |
| Ingress Protection Degree | IP20, Indoor Only |
| Operating Temperature Range | -10°C ~ 55°C |
| Noise | <60dB |
| Cooling Method | Intelligent fan |
| Communication | |
| Embedded Interfaces | RS485/CAN/USB/Dry contact |
| External Modules (Optional) | WiFi/GPRS |
| Certification | |
| Safety | IEC 62109 |
| EMC | EN 61000 |
| RoHS | Yes |