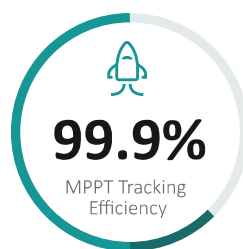
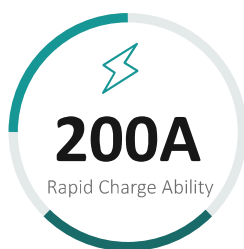
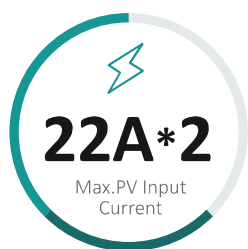




Single Phase Off-grid Inverter

HESS-OF-S-10K

SMART ENERGY
SUSTAINABLE SOLUTIONS „



Efficiency

- Dual MPPT with up to 99.9% efficiency
- Up to 22A PV input current perfect for high power

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

- Solar Charger Controller up to 200A charging current
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- 8-10kW load power to meet the needs of most households

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley tariff

Single Phase Off-grid Inverter

Model	HESS-OF-S-10K
Inverter Output	
Rated Output Power	10000W
Max. Peak Power	15000VA
Rated Output Voltage	230Vac
Load Capacity of Motors	6HP
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	200A
Max. Mains/Generator Charging Current	120A
Max. Hybrid Charging Current	200A
PV Input	
Num.of MPP Trackers	2
Max. PV array power	5500W+5500W
Max. input current	22A+22A
Max. Voltage of Open Circuit	500Vdc+500Vdc
MPPT Voltage Range	125-425Vdc
Mains/Generator Input	
Input Voltage Range	90~270Vac
Frequency Range	50Hz/60Hz
Bypass Overload Current	63A
Efficiency	
MPPT Tracking Efficiency	99.9%
Max. Battery Inverter Efficiency	92%
General	
Dimensions	620*445*130mm
Weight	27.0kg
Ingree Protection Degree	IP20, Indoor Only
Operating Temperature Range	-15°C ~ 55°C, >45°C derated
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