



Inverter

HESS-OF-E-5.5K

HESS-OF-E-5.5K Features:

- Pure sine wave
- Power factor 1.0
- Pv input voltage 60VDC~500VDC
- Built-in MPPT 100A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Support multiple output priority: UTL, SOL, SBU, SUB
- EQ function to optimize battery performance and extend lifecycle
- Compatible work with LiFePO4 battery via RS485
- Lithium battery activation function, which can be triggered by mains or PV

**"Power Your Home
Power Your Life"**

Model	HESS-OF-E-5.5K
Capacity	5.5KVA/5.5KW
Parallel Capability	NO
Input	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For Personal Computer); 90-280VAC(For Home Appliances)
Frequency	50/60 Hz(Auto Sensing)
Output	
Nominal Voltage	220/230VAC±5%
Surge Power	11000VA
Frequency	50/60Hz
Waveform	Pure Sine Wave
Transfer Time	10ms(For Personal Computer); 20ms(For Home Appliances)
Peak Efficiency(PV to INV)	96%
Peak Efficiency(Battery to INV)	93%
Overload Protection	5s@≥150% load; 10s@110%~150% load
Crest Factor	3:1
Admissible Power Factor	0.6~1(Inductive or Capacitive)
Battery	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Over Charge Protection	63VDC
Charging Method	CC / CV
Lithium Battery Activation	YES
Lithim Battery Communication	YES(RS485)
Solar Charger & AC Charger	
Solar Charger Type	MPPT
Max.PV Array Power	5500W
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max.Solar Input Current	18A
Max.Solar Charge Current	100A
Max.AC Charge Current	80A
Max.Charge Current (PV+AC)	100A
Physical	
Dimensions, D*W*H(mm)	438*295*105
Package Dimensions, D*W*H(mm)	560*375*185
Net Weight(Kg)	9
Communication Interface	RS232+RS485
Environment	
Operating Temperature Range	(-10°C ~ 50°C)
Storage Temperature	(-15°C ~ 50°C)
Humidity	5% to 95% Relative Humidity (Non-condensing)



Official Website