



HALO1000 AC500 1KWh Solar Generator

AC500W/PV400W/Battery1004Wh



PRODUCT FEATURES



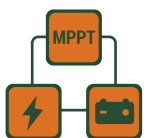
Multi-Protection:
Overload, overvoltage
and short circuit
protection



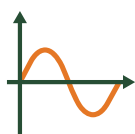
Convenient Mobility:
Lightweight,
single-hand portable



Quick Charge:
PV+AC fast charging,
efficient energy storage



Three-In-One System:
MPPT + Inverter +
Battery integrated



High Performance:
Pure sine wave,
UPS class switch time:
<20ms



LCD Display:
Real-time status
monitoring

TECHNICAL SPECIFICATIONS



PV INPUT

Max. Input Power	400W
Max. Input Voltage	55Vdc
MPPT Voltage Range	12-55Vdc
Max. Input Current per MPPT	13.5A
Max. Charging Current	80A
Number of PV Input Ports	1
MPPT Efficiency	99%

AC INPUT

Rated Input Voltage	230Vac
Rated Input Frequency	50/60Hz
Input Frequency Range	45-65Hz
Input Voltage Range	90-280Vac
Max. Input Power (Charging+Load)	800W

AC OUTPUT

Rated Output Power	500W
Rated Output Voltage	230Vac
Nominal Output Frequency	50/60Hz
Waveform	Pure Sine Wave
Output Voltage Type	L/N/PE
UPS Switch Time	≤20ms
Overload Capacity	CP500W Latch output@<200Vac

BATTERY PACK

Cell Type	LFP
Rated Voltage	3.2Vdc
Capacity	314Ah
Energy	1004.8Wh
Cycle Life	6000

GENERAL DATA

Operating Temperature	0~50°C (>40°C Power Derating)
Operating Humidity	20%~95% (Non-condensing)
Max. Operating Altitude	4000m (>3000m Power Derating)
Dimensions	225*143*280mm
Weight	10.5KG
Ingress Protection	IP31
Noise	<50dB

PROTECTION

Overload Protection	√
Short Circuit Protection	√
Over Temperature Protection	√
Battery Overvoltage Protection	√
Battery Undervoltage Protection	√
PV Reverse Polarity Protection	√

