



SOLAR GENERATOR

ALL-IN-ONE SOLAR ENERGY STORAGE SYSTEM



☉ HALO1000

☉ HALO2000

☉ HALO4000

☉ HALO8000

☉ PRODUCT FEATURES



Multi-Protection
Overload, overvoltage
& short circuit protection



Simple Design
Sleek minimalist appearance,
steady and grand



Quick Charge
PV+AC fast charging,
efficient energy storage



All-In-One System
MPPT + Inverter +
Battery integrated



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



LCD Display
Real-time status
monitoring

TECHNICAL DATA

MODEL	HALO1000	HALO2000	HALO4000	HALO8000
Available Colors				
PV Input				
Max. Input Power	400W	1000W	3000W	5000W
Max. Input Voltage	55Vdc	60Vdc	450Vdc	500Vdc
MPPT Voltage Range	12-55Vdc	12-55Vdc	30~400Vdc	40~450Vdc
Max. Input Current per MPPT	13.5A	25A	18A	18A
Max. Charging Current	80A	100A	100A	100A
Number of PV Input Ports	1	2	1	1
MPPT Efficiency	99%	99%	99%	99%
AC Input				
Rated Input Voltage	230Vac	230Vac	230Vac	230Vac
Rated Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Input Frequency Range	45-65Hz	45-65Hz	45-65Hz	40~70Hz
Input Voltage Range	90~280Vac	90~280Vac	90~280Vac	90~280Vac
Max. Input Power (Charging+Load)	800W	1800W	2300W	4600W
AC Output				
Rated Output Power	500W	1200W	2000W	3600W
Rated Output Voltage	230Vac	230Vac	230Vac	230Vac
Nominal Output Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output Voltage Type	L/N/PE	L/N/PE	L/N/PE	L/N/PE
UPS Switch Time	≤20ms	≤20ms	10ms	10ms
Overload Capacity	CP500W Latch output@<200Vac	CP1200W Latch output@<200Vac	Bat+PV: long term@102%-125%Load	Bat+PV: long term@ 100%-102%Load
Battery PACK				
Cell Type	LFP	LFP	LFP	LFP
Rated Voltage	3.2Vdc	6.4Vdc	12.8Vdc	25.6Vdc
Capacity	314Ah	314Ah	314Ah	314Ah
Energy	1004.8Wh	2009.6Wh	4019.2Wh	8038.4Wh
Cycle Life	6000	6000	6000	6000
General Data				
Operating Temperature	0~50℃(>40℃ Power Derating)	0~50℃(>40℃ Power Derating)	0~45℃(>40℃ Power Derating)	0~45℃(>40℃ Power Derating)
Operating Humidity	20%~95%(Non-condensing)	20%~95%(Non-condensing)	20%~95%(Non-condensing)	20%~95%(Non-condensing)
Max. Operating Altitude	4000m (>3000m Power Derating)	3000m (>2000m Power Derating)	4000m (>1000m Power Derating)	4000m (>1000m Power Derating)
Dimensions	225*143*280mm	420*148*290mm	400*186*600mm	400*246*771mm
Weight	10.5KG	19.8KG	39.0KG	70.0KG
Ingress Protection	IP31	IP31	IP31	IP31
Noise	<45dB	<50dB	<50dB	≤50dB
Monitoring	/	/	WiFi(Optional)	WiFi(Optional)
Protection				
Overload Protection	√	√	√	√
Short Circuit Protection	√	√	√	√
Over Temperature Protection	√	√	√	√
Battery Overvoltage Protection	√	√	√	√
Battery Undervoltage Protection	√	√	√	√
PV Reverse Polarity Protection	√	√	√	√

