

ALL in One 5.5Kw+10Kwh



Solar panels



Diesel Generator



Grid

Meters

Monitoring

- Web
- App
- LCD

House Load



KEYSUN

ALL IN ONE ESS





Items	Parameter
Charging Method	CC-CV constant current and constant voltage
Charging Voltage	57.6 V $\pm$ 50mV
Over Charging Protection	3.65 $\pm$ 20mV
Standard Charging Current	50A (0.5C)
Max. Charging Current	100 A
Cut-off Charging Current	2A (0.02C)
Standard Discharging Current	50A (0.5C)
Max. Discharging Current	100A
Discharging cut-off Voltage	43.2V
Over Charge Current	/
Level 1 Over Discharge Current	110A, protection delay 1.0S, automatically released after 1min
Level 2 Over Discharge Current	$\geq$ 150A, protection delay 500ms, automatically released after 1min
Over Discharging Protect	2.7 $\pm$ 20m V(1S)
Internal Resistance	<10m Ω
Balancing voltage	3.450V $\pm$ 20mV
balancing current	65mA
Standard Charge Temperature	5-60 $^{\circ}$ C
Standard Discharge Temperature	-15-60 $^{\circ}$ C
Storage Humidity	65% RH not condensed
Storage Temperature	-20-60 $^{\circ}$ C
Size	730*165*1430mm (without handles, terminals, lugs)
Weight	About-200 kg
Storage Humidity	65% RH not condensed

Mains Mode	
Rated input voltage	220/230 Vac
Input voltage range	(170 Vac ~ 280 Vac) $\pm$ 2% (90 Vac ~ 280 Vac) $\pm$ 2%
Frequency	50 Hz / 60 Hz (auto detection)
Frequency range	47 $\pm$ 0.3 Hz ~ 55 $\pm$ 0.3 Hz (50 Hz); 57 $\pm$ 0.3 Hz ~ 65 $\pm$ 0.3 Hz (60 Hz);
Overload/short circuit protection	breaker
Efficiency	>95%
Conversion time (Bypass and Inversion)	10 ms
AC reverse protection	have
Maximum bypass overloa current	40A

Mains Charging	
Battery Type	Lead acid or lithium battery
Maximum charging current	60A
Charging current error	$\pm$ 5A dc

Inverter Mode	
Output voltage waveform	Pure sine wave
Rated output power (VA)	5500
Rated output power (W)	5500
Power Factor	1
Rated output voltage (Vac)	230 Vac (200/208/220/240 Vac Settable)
Output voltage error	$\pm$ 5%
Output frequency range (Hz)	50 Hz $\pm$ 0.3 Hz / 60 Hz $\pm$ 0.3 Hz
Efficiency	>90%
Overload protection	(102%-load<125%) :Call the police and Turn off the output after 5 minutes; (125%-load<150%) : Alarm and shut down output after 10 seconds; Load>15 Alarm and Turn off the output after 5 seconds;
Peak Power	11000 VA
Motor load capacity	4HP
Output short circuit protection	Breaker
Bypass circuit breaker specifications	40A
Rated battery input voltage	48V (Minimum starting voltage 44V)
Battery voltage range	40 Vdc -60 Vdc $\pm$ 0.6 Vdc (undervoltage warning/shutdown voltage/ Overvoltage alarm/ Overvoltage Recovery... LCD Screen can be set)
Power saving mode	load $\leq$ 50W