

Specification

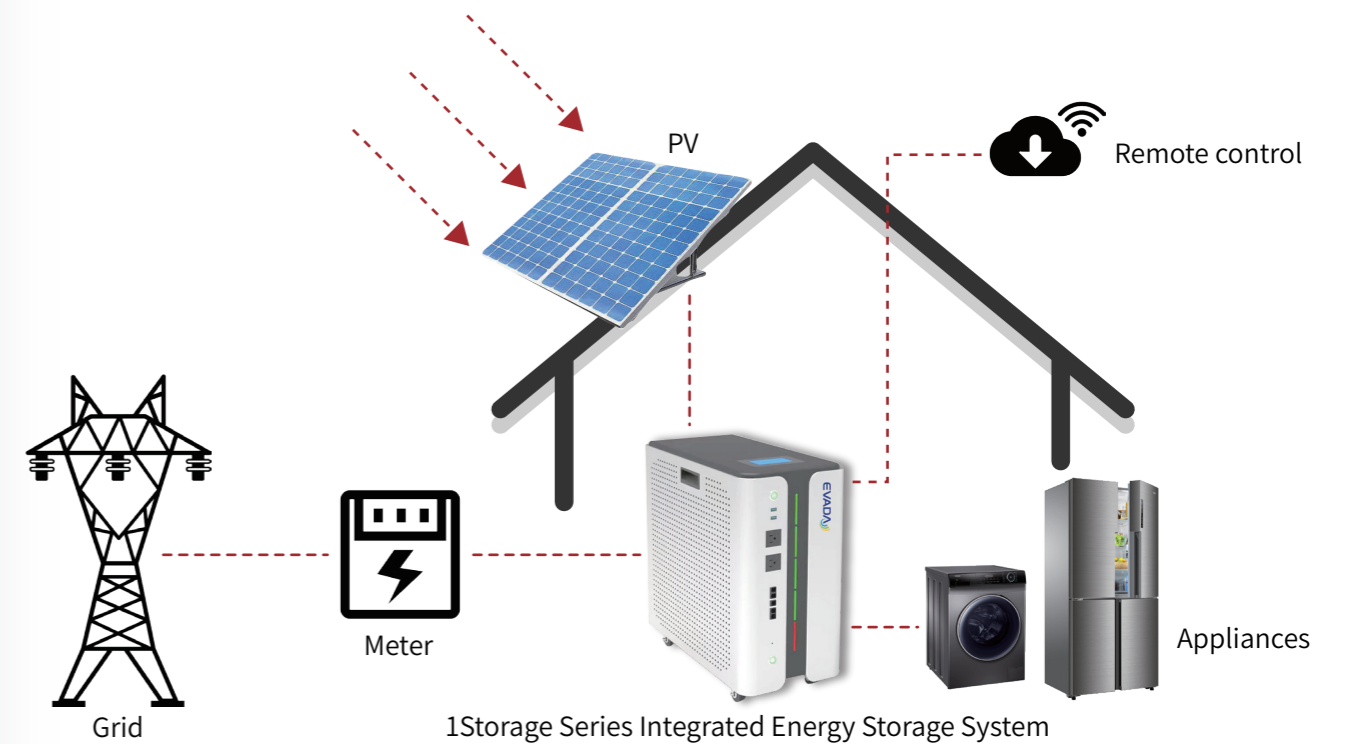
Model	ES-10240
Nominal voltage	51.2V
Connection type	16S 1P
Rated capacity	Typical: 200Ah
	Minimum: 195Ah
Maximum continuous discharge current	≤100A
Rated discharge current	≤100A
Rated charge current	≤60A
Communication	SST19-247B-REV1.2
Operation temperature range	Charge: 0 ~ 55°C
	Discharge: -20 ~ 55°C
Internal impedance	<100mΩ
Charging mode	C.C/C.V.
Charging voltage	54.75V
Voltage at end of discharge	40V
Overcharge voltage	3.65±0.05V (Adjustable)
Over discharge cut off voltage	2.5±0.01V (Adjustable)
Over current	Discharge overcurrent value: ≥105A
Dimensions	483*440*267mm
Weight	85kg

1Storage Series Integrated Energy Storage System

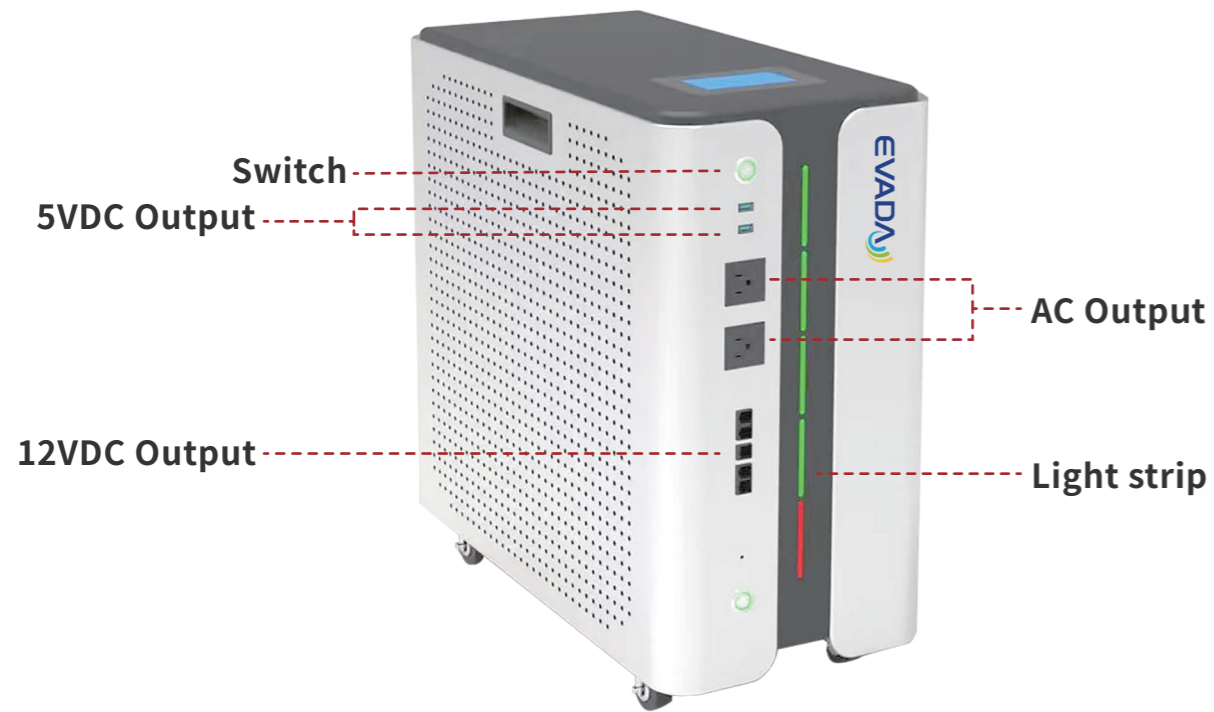


Features

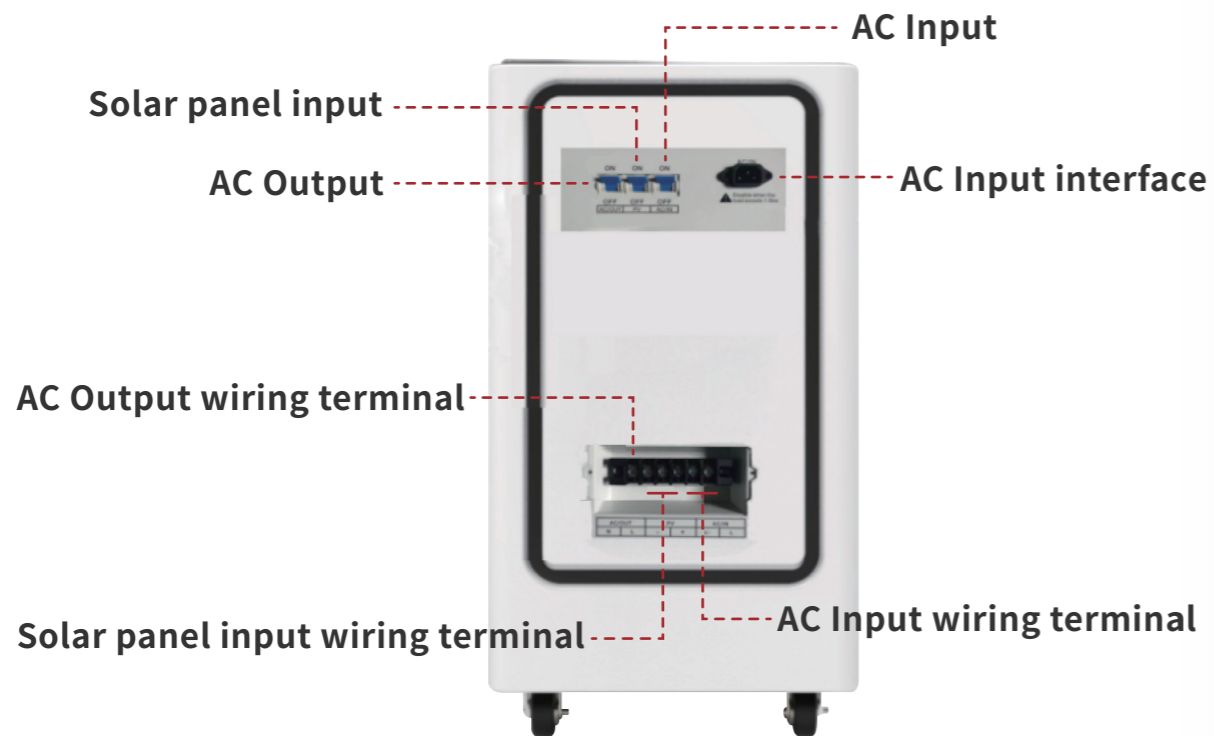
- Design with handle&turning wheels, easy for floor movement
- Built-in LFP lithium battery and inverter
- Multiple operating modes for various applications
- Diversity methods for input (solar & utility & generator) and output
- IP 65 rated for outdoor using
- Alarm system to notify users when event happens
- CE marked ensures the safety



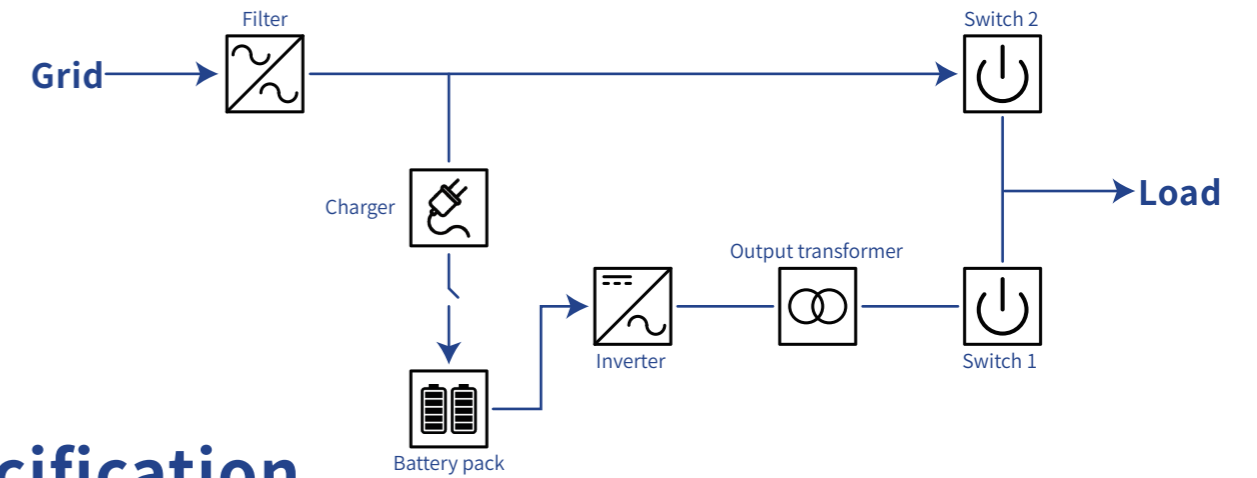
Front panel outlets



Back panel outlets



Working Modes



Specification

MODEL	MHY-1	MHY-2
AC parameters (grid connection mode)		
Rated power	3000W	5000W
Rated voltage/Range	230V /180Vac~280Vac; 110-120/220-240V split phase	
Rated frequency	50/60Hz	
AC Parameters (Battery Mode)		
Output power	3000W	5000W
Output voltage	230V /180Vac~280Vac; 110-120/220-240V split phase	
Rated frequency	50/60Hz	
Off-Grid switching time	≤20mS	
Battery Parameters		
Rated voltage/Range	48V/44.8~57.6V	
Battery type	Lithium Battery (LFP)	
Battery capacity	5kwh	
Maximum charge/Discharge ratio	0.7/1C	
Photovoltaic Parameters		
Recommended maximum photovoltaic input power	3000W	5000W
Open circuit voltage/MPPT voltage range	60-150V	
Number of MPPTs/Number of strings per circuit MPPT	1/1	
Maximum input current	40A	
System Parameter		
Human machine interface HMI	LCD+Wifi+LED optional	
Installation mode	Movable; Floor to wall	
Size	612 * 275 * 510mm	