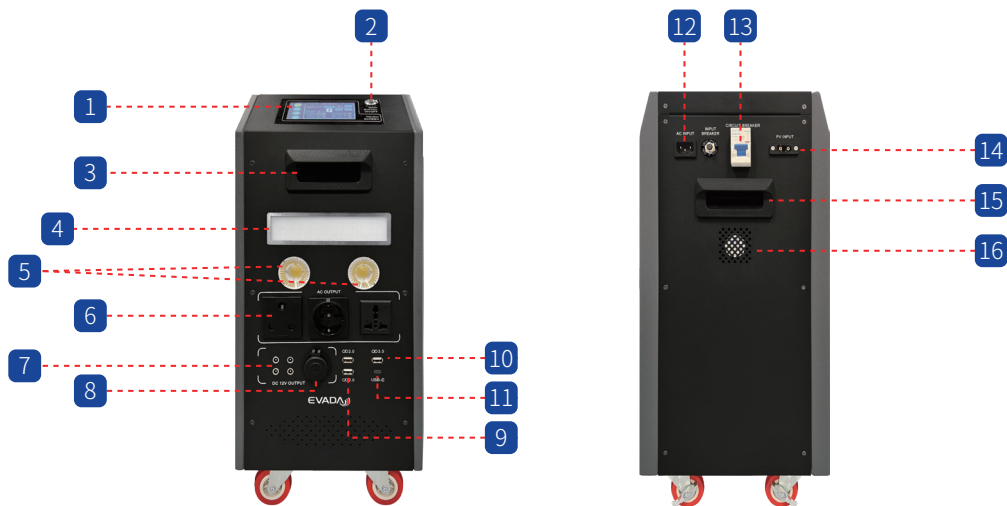


# 1Storage Series Integrated Energy Storage System

## Features



- Pure sine wave output inverter
- Adjustable grid input voltage
- Multifunction LCD&LED readout
- Utility and generator compatible
- Mains automatic startup function
- Overload, overheat and short circuit protection
- Intelligent battery charging design
- Cold start function



1 LCD Touchscreen

2 Main Switch

3 Handle

4 10W LED Light

5 5W LED light

6 AC Output(EU/US/AU/SA/CN/UN AC Plug Optional)

7 DC Output

8 Car Charging Plug

9 USB 2.0 Output

10 USB 3.0 Output

11 USB Type-C

12 AC Input

13 Circuit Breaker

14 PV Input

15 Handle

16 Fan

# Specification



MODEL	YT35-30	YT35-50	YT55-50	YT55-100
<b>INVERTER MODULE</b>				
Rated power	3500W		5500W	
Waveform	Pure sine wave			
Output voltage	230VAC $\pm$ 5%			
Output frequency	50/60Hz( $\pm$ 0.2Hz)			
Efficiency(peak)	90%		93%	
Nominal DC input voltage	24VDC		48VDC	
Standby consumption	<35W			
<b>PV INPUT</b>				
Max. power input	2500W		5000W	
Max. charging current	100A			
Combined charging current	140A			
Max. efficiency	98.00%			
Open-circuit voltage	450VDC			
MPPT operating voltage range	120 ~ 450VDC			
<b>AC INPUT</b>				
Voltage	230VAC $\pm$ 5%(Utility or generator)			
Voltage range	90-270VAC/170-280VAC			
Nominal frequency	50/60Hz(Auto-sensing)			
Switching time	10ms typical(UPS,VDE); 20ms typical(APL)			
<b>GRID CHARGE</b>				
Charging current @rated voltage	$\leq$ 80A			
Charging algorithm	Three stage charging			
<b>OUTPUT</b>				
AC	230VAC(outlet $\times$ 2)			
Type-C	DC output $\times$ 1			
USB(5V 2.4A)	DC output $\times$ 1			
USB(12V 1A)	DC output $\times$ 1			
<b>LITHIUM BATTERY</b>				
Power	3072Wh	5120Wh		10240Wh
Nominal voltage	25.6V	51.2V		
Capacity	120Ah	200Ah	100Ah	200Ah
Charging current	$\leq$ 100A			
Discharging current	$\leq$ 50A	$\leq$ 200A	$\leq$ 100A	$\leq$ 200A
Operating temperature	Charge	0~45°C		
	Discharge	-20~55°C		
<b>GENERAL</b>				
Dimension(W $\times$ H $\times$ D)(mm)	270*500*500		280*570*500	330*610*510
Weight(kg)	39	50	55	100