



Three Phase All-in-one RESS

Vertical Stack

10KWh-60KWh

Remark: 4 Modules System Diagram,
Max supports 12 modules in Parallel

Shenzhen Enershare Technology Co.,Ltd

Tel: 0086-755-28718021 E-mail: wesleyyan@enershare.cn

<https://www.enershare.cn>

Three Phases All-in-one RESS

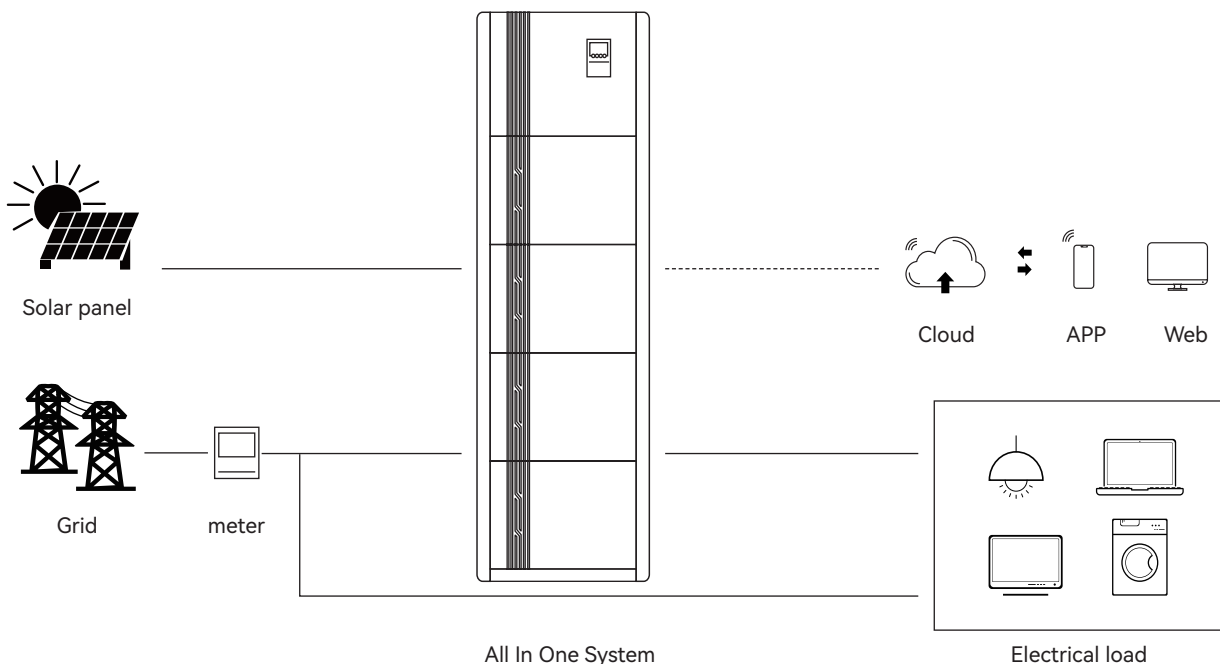
The all-in-one system adopts integrated design, integrated installation, protection level up to IP65, mainly used for household photovoltaic system. It integrates a hybrid inverter and LFP battery pack. The battery pack has a modular, expandable design, enabling flexible power configuration, and the hybrid inverter power supports 5kW. The product supports power grid, photovoltaic and battery access at the same time, and has the function of off-grid operation. The system has the advantages of high energy density, long cycle life and high compatibility.

-  Easy installation
-  LFP cell & system safety design
-  Real-time monitoring and control
-  High energy density, Excellent service life & Wide operation temperature range






Remark: 4 Modules System Diagram,
Max supports 12 modules in Parallel

Residential Energy Storage System



20KWh Three Phases All-in-one RESS

			
Name	Inverter	Battery Module	Battery base
Dimension:W*D*H (mm)	674*170*420	674*170*420	674*170*50
Weight (Kg)	25	55	2.25

PV Input	
MPPT Voltage Operation Range (V)	200-850
Max Input Power (W)	11500
Max Input Voltage (V)	1000
Max Input Current / String (A)	13
AC Input & Output (Grid)	
Max AC Input Power (VA)	16000
Max AC Input Power (VA)	24.2
Max AC Input Current (A)	12000
Rated Output Power (W)	13000
Max Output Power (VA)	17.4
Max Output Current/phase (A)	21.1
THDI	<3%
Emergency Output	
Max Output Power (VA)	12000
Peak Output Power (VA)	14400
Max Output Current/phase (A)	17.4
Rated Output Voltage (V)	3L/N/PE 380/220 ; 400/230 ; 415/240
Output Frequency (Hz)	50/60
THDU	<3%
Transfer Time (ms)	<1.5 (with EPS Box)
Efficiency	
Max Battery Discharge Efficiency	94%
Max Charge Efficiency (PV to battery) @ Full load	w98.5%
System Parameter	
Dimensions (mm)	674*170*2165
Work Temperature Rang (°C)	-25~+60 (Derating @45°C)
Storage Temperature (°C)	-20~+45

Storage RH (%)	5%~90% (noncondensing)
Altitude (m)	<2000
IP	IP65
Display	LCD/APP/Website
Cooling Method	Natural cooling
Installation	Floor-mount
Pack Specification	
Cell Type	LFP
Cell configuration	16S1P
Nominal Voltage (V)	350-450
Nominal Capacity (Ah)	100
Nominal Energy/Module (Wh)	5120
System Energy (Wh)	20480(4 Modules)
Charge Voltage (V)	57.6
Max Charge Current (A)	25
Max Discharging Current (A)	10
Charge Temperature Range (°C)	0~45
Discharge Temperature Range (°C)	-20~60
Storage Temperature Range (°C)	-20~45
Humidity (%)	5~95%RH
Cooling method	Natural cooling
Cycle Life (Time)	≥ 6000 (80% DOD, Remaining 80%)
Communication	CAN&RS485
Max Battery Parallel Number	12
Weight (Kg)	55