

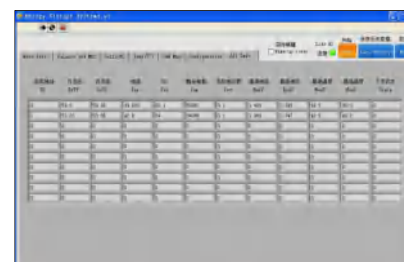
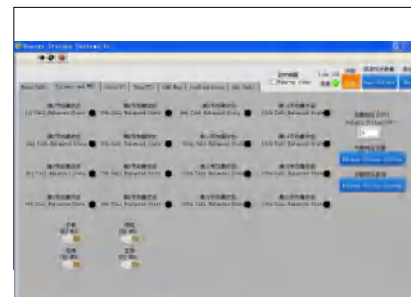
102.4KWH Battery Energy Storage System

ESS2000P8

102.4KWH Battery

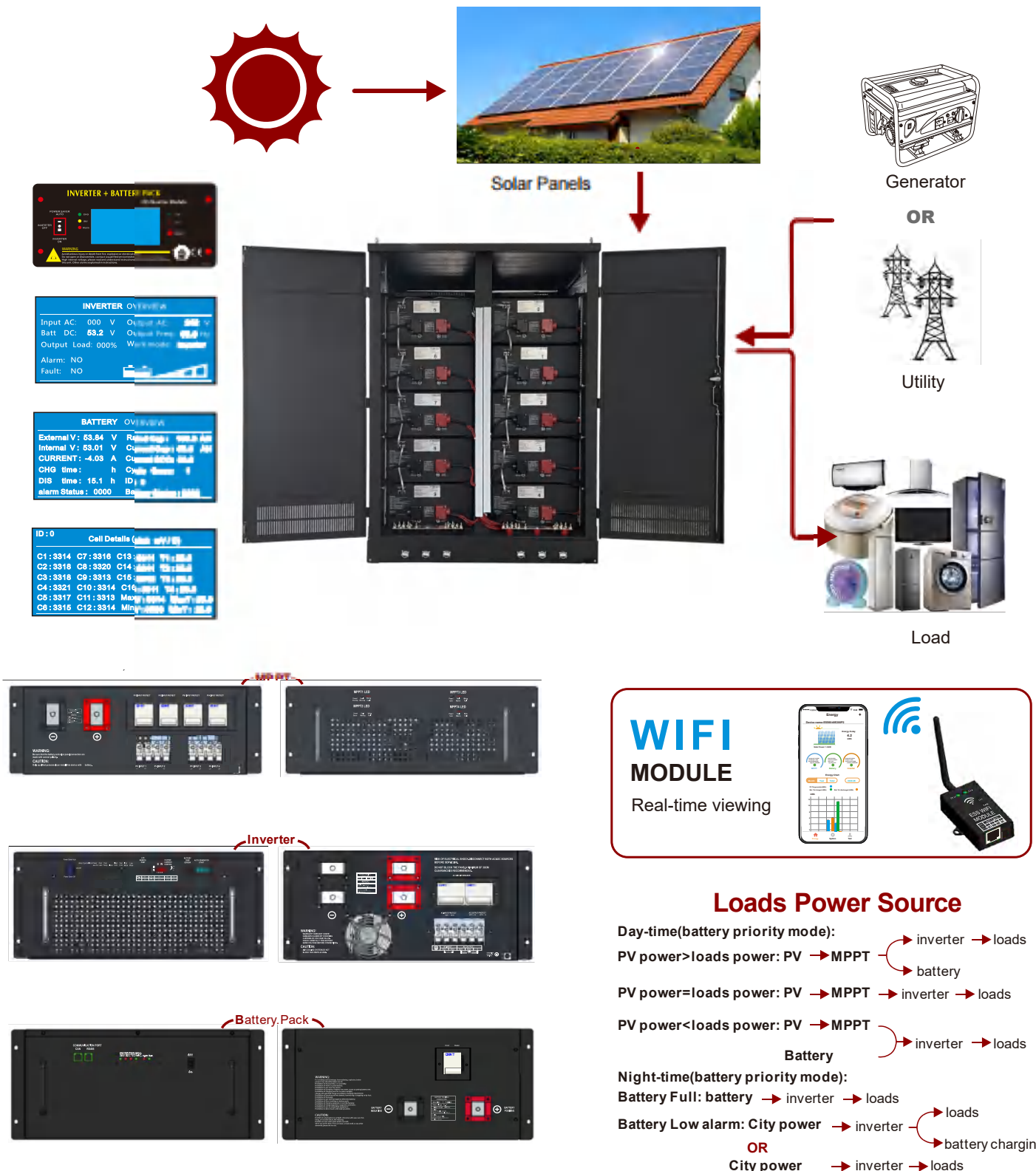
480A MPPT Solar Charger

External inverter



Product Application

Energy storage in power system including solar panels, inverter (for AC and DC conversion), and provide backup power for the main electrical backup lines. Household electricity demand different choice of different components.



BASIC Specification

Battery		Description
Normal specification		
1	Rated Voltage	51.2V
2	Rated Capacity	2000Ah
3	Rated Energy	102.4KWH
4	Battery Configuration	10.24KWH(16S2P) *10PCS
5	Battery Cell	3.2V100AH 320PCS
Standard Charge		
1	Operation temperature range @charging	0~45°C
2	Rated charge voltage	55.2±0.4V
3	Max charge voltage	56.8±0.4V
4	Overcharge protection	58.4±0.4V
5	Allowed MAX charge current(Total)	1100A withstand 30s (every pack 55A)
6	Peak charge current(Total)	1200A withstand 5s (every pack 60A)
7	Rated charge current(Total)	1000A (every pack 100A)
8	Recommend charge current(Total)	<800A
Standard discharge		
1	Operation temperature range @discharging	-20~60°C
2	Output Voltage Range	40~56Vdc
3	Recommend Working Range	46~54Vdc
4	Discharge Cut-off voltage	40V
5	Allowed MAX discharge current(Total)	2200A withstand 30s (every pack 110A)
6	Peak discharge current(Total)	2400A withstand 5s (every pack 120A)
7	Rated discharge current(Total)	2000A (every pack 200A)
8	Recommend discharge current(Total)	<1600A

BASIC Specification

Communication				
1	RS485		For LCD remote	
2	CAN		PC control and monitor	
MPPT (built-in)			Description	
Normal specification				
1	PV POWER		3.5KW*8	
2	PV Input Voltage		60-145Vdc	
3	MPPT Charging Voltage		56.0Vdc (Fast charging)/54Vdc (Float charging)	
4	MPPT Output Current		60A*8	
Model	Configuration			
ESS2000P8	MPPT	INVERTER	BATTERY	Energy
	480A(60A*8)	External	2000AH(200AH*10)	102.4kwh
Mechanical Characteristics				
ESS2000P8	Dimension H*W*D	Shipping H*W*D	Weight(N.W.)	Weight(G.W.)
	1650*1120*1000mm	1840*1260*1100mm	1300KG	1400KG