

Vertical Residential All-in-One ESS



- **All-in-One Design**

AIO modular system that includes inverter, charger controller, UPS-level switching system and battery modules

- **Easy Installation & Capacity Expansion**

Plug & Play modular design
Save 50% installation time
Save 50% installation space
Scalable up to 30.72kWh

- **High Safety**

IP65 outdoor design
3-level (cell-pack-system) protection
AFCI standard
Overload capacity 150% for 10mins

- **Easy Management**

Dynamic SOC calibration
RSD Ready & VPP Ready
Support remote monitoring through mobile phone
APP & global Cloud platform available

Technical specification:

Battery Cell Technology		Li-iron (LFP)					
Number of Pack (pcs)		1	2	3	4	5	6
Total energy (kWh)		5.12	10.24	15.36	20.48	25.6	30.72
Usable Energy*(kWh)		4.86	9.72	14.59	19.45	24.32	29.18
Voltage Range(Vd.c)		44.8 ~ 57.6					
Nominal Voltage(V)		51.2					
Max. Charge Voltage(V)		57.6					
Max. continuous charging current(A)		50	100	120	120	120	120
Max. continuous discharge current(A)		50	100	120	120	120	120
DOD(%)		95					
Communication		CAN					
Dimension(L*W*H),mm		(600±2)*(215±2) *(790±2)	(600±2)*(215±2) *(1110±4)	(600±2)*(215±2) *(1430±6)	(600±2)*(215±2) *(1750±10)	(600±2)*(215±2) *(2070±10)	(600±2)*(215±2) *(2390±10)
Net Weight(kg)		75±2	122±4	169±6	216±8	263±8	310±8
Operating Condition		Indoor or outdoor					
Operating Temperature	Charging	0~55 °C					
	Discharging	0~55 °C					
Humidity		<60%RH (No Condensation)					
Cooling type		Natural					
IP rating of enclosure		IP65					
Installation method		Stacked installation					
Supply connection		Fixed power cord					
Warranty		10 years (5 free warranty + 5 paid warranty)					

Battery Module Type		
Total energy (kWh)	5.12	
Usable Energy* (kWh)	4.96 kWh	
Voltage Range (Vd.c)	44.8 ~ 57.6	
Nominal Voltage (V)	51.2	
Max. Charge Voltage (V)	57.6	
Max.continuous charging current (A)	50	
Max.continuous discharge current (A)	50	
DOD (%)	95%	
Dimension(L*W*Hmm)	(600±2)*(215±2)*(320±2)mm	
Net Weight (kg)	(47±2)kg	
Operating Condition	Indoor or outdoor	
Operating Temperature	Charging (°C)	0~55 °C
	Discharging (°C)	0~55 °C
Humidity	<60%RH (No Condensation)	
Configuration	(8S)2S	
Warranty	10 years (5 free warranty + 5 paid warranty)	