




Stackable High-voltage Single-phase PV&ESS All-in-one Cabinet



◀  **Energy Controller**
3.0~8.0kW Single-phase

◀  **Stackable ESS Battery**
5.3kWh High-voltage
2~4 Battery Packs
10.6~21.2kWh

 **10** minutes
Installation

 **4**-in-one
PV/EMS/PCS/Battery

 **ms** level
Energy storage switch

 **1**-stop
Smart optimization of power
consumption strategy

Technical Parameters

Stackable High-voltage Single-phase PV&ESS All-in-one Cabinet

Product image			
Quantity of Battery	2	3	4
Rated Capacity [kWh]	10.6	15.9	21.2
Nominal voltage[V]	204.8	307.2	409.6
Dimension[W*D*H mm]	655*197.5*1490	655*197.5*1805	655 * 197.5* 2120
Weight[KG]	146	195	244
Operating temperature[°C]	Charge: -10~ +55 / Discharge: -20 ~ +60		
Storage temperature[°C]	≤35°C (≤30day,20~40% SOC)		
Highest operation altitude [m]	2000		
Ingress protection level	IP65		

5.3 kWh Stackable energy storage battery - High Voltage

Battery parameters	
Nominal capacity[Ah]	52
Standard charge/discharge current[A]	26
Battery type	LFP (LiFePO ₄)
Certification situation	
Certificate	CE 62619, EMC, UN38.3, MSDS

Energy controller 3.0-8.0kW - Single phase

Power energy controller	3.0SP	3.6SP	4.2SP	5.0SP	6.0SP	8.0SP
PV input parameters						
Suggest Max. input power [kW]	4.80	5.76	6.72	8.00	9.60	12.80
Max. DC input voltage [V]	600					
Rate DC input voltage [V]	360					
MPPT operating voltage range [V]	100~550					
MPPT Quantity	1		2			
Number of Single MPPT input channels	1		1/1			
Max. input current [A]	15		15/15			
Max. short-circuit current [A]	20		20/20			
AC parameters						
Rate output power [kW]	3.00	3.60	4.20	5.00	6.00	8.00
Max. output apparent power [kVA]	3.30	3.96	4.60	5.50	6.60	8.00
Max. input apparent power [kVA]	6.00	7.20	8.40	10.00	10.00	12.00
Battery max. charging power [kW]	3.00	3.60	4.20	5.00	6.00	8.00
Rated voltage	L/N/PE; 220/230/240V					
Grid frequency [Hz]	50/60					
Max. output current [A]	15.00	18.00	21.00	25.00	28.70	36.30
Off-grid-rated output power [kW]	3.00	3.60	4.20	5.00	6.00	8.00
Off-grid max. output apparent power [kVA]	3.30	3.96	4.60	5.50	6.60	8.00
UPS switch time [ms]	<10					
Efficiency parameters						
Max. PV conversion efficiency	97.6%					
Europe efficiency	97.0%					
Communications						
communication protocol	CAN, RS485, WiFi/LAN (optional)					
Certification situation						
Certificate	IEC 62109、EN 61000、UNE 217002、CEI-021、AS4777.2、G99、NRS 097-2-1					

■ Product continues to iterate, specifications may be updated without prior notice.

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