



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



◀  **Energy Controller**
4.0~12.0kW Three-phase

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

 **10** minutes
Installation

 **ms** level
Energy storage switch

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

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

Technical Parameters

Stackable High-voltage Three-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]	145	194	243
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 4.0-12.0kW - Triple phase

Power energy controller	4.0TP	5.0TP	6.0TP	8.0TP	10.0TP	12.0TP
PV input parameters						
Suggest Max. input power [kW]	6.0	7.5	9.0	12.0	15.0	18.0
Max. DC input voltage [V]	1000					
Rated DC input voltage [V]	620					
MPPT operating voltage range[V]	120~950					
MPPT Quantity	2					
Number of Single MPPT input channels	1/1					
Max. input current [A]	15/15					
Max. short-circuit current [A]	20/20					
AC parameters						
Rate output power [kW]	4.0	5.0	6.0	8.0	10.0	12.0
Max. output apparent power [kVA]	4.4	5.5	6.6	8.8	11.0	13.2
Max. input apparent power [kVA]	8.0	10.0	12.0	16.0	16.5	16.5
Battery max. charging power [kW]	4.0	5.0	6.0	8.0	10.0	12.0
Rated voltage	3L/N/PE; 220/380V;230/400V;240/415V					
Grid frequency [Hz]	50/60					
Max. output current [A]	6.7	8.3	10.0	13.3	16.5	20.0
Off-grid-rated output power [kW]	4.0	5.0	6.0	8.0	10.0	12.0
Off-grid max. output apparent power [kVA]	4.4	5.5	6.6	8.8	11.0	13.2
UPS switch time [ms]	<10					
Efficiency parameters						
Max. PV conversion efficiency	98.1%			98.2%		
Europe efficiency	97.3%			97.4%		
Communications						
communication protocol	CAN, RS485, WiFi/LAN (optional)					
Certification situation						
Certificate	IEC 62109、IEC 62477-1、EN 61000、EN 50549-1、VDE AR-N4105、C10/11、EN 50549-1、CEI-021、TOR Erzeuger、IEC/EN 62116、IEC61727、IEC60068、IEC61683、UNE 217001、UNE 217002、G98、NRS 097-2-1					

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

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