

OUTDOOR CABINET ESS

All - in-Shelter-50kw-112kWh



Support three-phase 100%
Unbalanced load



Support remote
upgrade
Cloud Operations



Intelligent dehumidification
Eliminate the risk
of condensation



Flexible expansion
Easy installation
and maintenance



Air Cooling Design
Maintenance-free
air conditioning



High-power photovoltaic
access design
up to 100kW



Support multiple
machines in parallel
More flexible
application



PV power station



Wind Power
Energy Storage



Industrial and
Commercial



Grid-Side



Hybrid charging



Microgrid



Model	All - in-Shelter-50kw-112kWh	
Battery		
Rated Charge/Discharge Performance	0.5C	
Battery Capacity [Ah]	314	
Battery Rated Voltage [V]	358.4	
Operating Voltage Range [V]	313.6~408.8	
Rated Capacity [kWh]	112.5	
System Battery Configuration	1P112S	
AC Output (On-Grid)		
Rated Output Power [kW]	50	
Rated Output Current [A]	72.2	
Apparent power output [kVA]	55	
Max. Output Current [A]	83.3	
Rated Voltage [V]	3W/N/PE, 220/380,230/400	
Rated Frequency [Hz]	50/60	
Power Factor	1 (0.9 Leading - 0.9 Lagging)	
THDi	<3% (@Rated Power)	
AC Output (Off-Grid)		
Rated Output Power [kW]	50	
Rated Output Current [A]	72.2	
Rated Output Voltage [V]	3W/N/PE, 220/380,230/400	
Rated Output Frequency [Hz]	50/60	
THDi	<3% (@Rated Power)	
Backup power switching time [ms]	<20	
PV Input		
PV Max. Input Power [kWp]	100	
PV Max. Input Voltage [V]	1100	
MPPT Number/Number of Strings Per Path	4/2	
MPPT Operating Voltage Range [V]	180~1000	
PV Max. Input Current [A]	4*40	
PV Max. Short Circuit Current [A]	4*50	
Rated DC Input Voltage [V]	620	
AC Input (Grid Side)		
Working Phase	3W/N/PE	
Rated Voltage [V]	220/380 ,230/400	
Rated Input Frequency [Hz]	50/60	
Generator Input Parameters		
Rated Power [kW]	50	
Max. Input Current [GEN/AC Couple]	76/76	
Working Phase	3W/N/PE	
Protection Level [V]	220/380 ,230/400	
Rated Input Frequency [Hz]	50/60	
General Parameters		
Ingress Protection	IP54	
Cooling Method	Forced Air Cooling	
Fire Fighting System	Aerosol	
Relative Humidity	0~95%, Non-condensing	
Operating Temperature [°C]	-20~+50	
Altitude [m]	4000(> 2000 Derating)	
Communication	RS485、Ethernet	
Communication Protocol	Modbus-RTU、Modbus-TCP	
Weight [T]	≈1350	
Dimension (W*D*H) [mm]	750*1150*2250	