

Residential Energy Storage

ZT-B5NLVI



Quick Installation

Plug and play connection saves 40% installation time ;

Strong Stability

Multiple battery protections including communication, MOS, 2nd fault mandatory protection to enable overall full protection ;

High Safety

Protection level at Ip65, independent fire-proof designed for battery cells, whose fire-resistant material is tested at 1200°C flame.

Model	ZT-B5LVI		ZT-B10LVI	
System Power	5kW/5kWh		5kW/10kWh	
PV String Input				
Max. DC PV Input Power(W)			6000	
Max. DC PV Input Voltage(V)			550	
PV Voltage Range(V)			125-500	
Number of PV Module			2	
Max. PV Input Current Per Channel (A)			13	
Max. PV Instantaneous Overload Current Per Cicuit(A)			14	
Battery Parameter				
Battery Type			LFP(LiFePO4)	
Rated Voltage(V)			51.2	
Charge/Discharge Voltage Range(V)			40-58	
Max. Charge/Discharge Current(A)			95/100	
Battery Capacity(Ah)	100Ah		100Ah*2	
Rated Energy(kWh)	5.12		5.12*2	
Using Energy(kWh)	4.6		9.216	
AC Ourput				
AC Output Power(W)			5000	
AC Voltage/Frequency			230Vac&50/60Hz	
Rated Output Current(A)			21.7	
Efficiency				
Maximum PV Efficiency			97.8%	
EURO PV Efficiency			97%	
Protective Functions	Anti-reverse current/ Anti over current protection/ Anti reverse connection/ Anti series fault detection/ Anti AC short circuit protection			
General Specification				
Dimension[W*D*H]	550*207*1264		550*207*1665	
Battery Weight(kg)	50		100	
Inverter Weight(kg)			25	
System Weight(kg)	93		143	
Operating Temperature Range			-20~55℃	
Noise Level			<30dB	
Cooling Method			Natural cooling	
Operating Altitude			≤2000m	
Environmental Humidity Range			0-95%RH	
Protection Level			IP65 (Inverter&Battery pack)	
Warranty Years			10 years	
Communication			RS485/CAN	
Battery Status			APP	
Certification			IEC/EN62109-1/-2 IEC62619 UN38.3	