

Residential Energy Storage

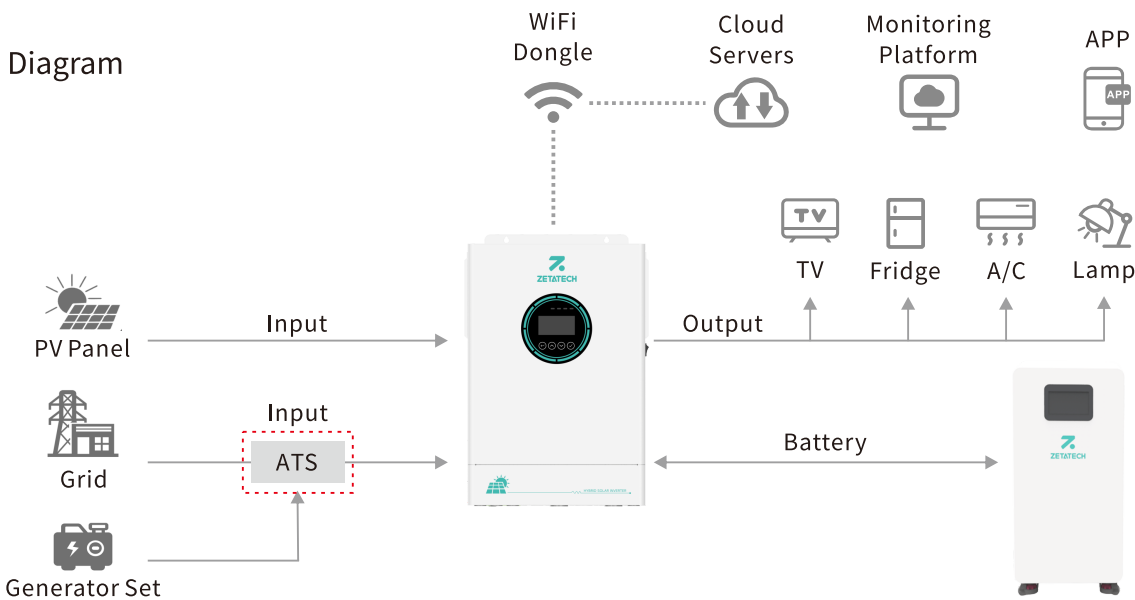
ZT-XXFL



Features

-  Modern floor-standing design with an elegant touch interface
-  Premium 314Ah LFP cells with advanced protection
-  High-density 16.07kWh energy storage for whole-home backup
-  Built-in heavy-duty casters for easy positioning and installation
-  Supports 200A continuous current to drive heavy-duty appliances
-  Engineered for 8000+ cycles for years of sustainable energy

System Diagram



Technical Parameter		
Model	ZT-15FL	ZT-16FL
Battery Performance		
Battery Type	LFP (LiFePO4)	
Nominal Voltage (V)	48	51.2
Nominal Capacity (Ah)	314	
Nominal Energy (kWh)	15	16
Voltage Range (V)	40.5 - 54.5	43.2 - 58
Charge Float Voltage (V)	51	54
Charge Cut-off Voltage (V)	Overall voltage ≥ 54.5	Overall voltage ≥ 58
	Or single ≥ 3.63	
Discharge Cut-off Voltage (V)	Overall voltage ≤ 40.5	Overall voltage ≤ 43.2
	Or single ≤ 2.7	
Maximum Charge Current (A)	200	
Maximum Discharge Current (A)	200	
Charge Over-Current Limit (A)	≤ 20	
CELL Cycle Life	8,000 Cycles (25°C $\pm$ 2°C, 0.5C/0.5C, 90%DOD, 70%EOL)	
Warranty	10 yeras	
General Parameters		
Thermal Management	Natural Cooling	
Recommend Depth of Discharge	90%	
Max. Parallel Quantity	1 ~ 15	
Charge Temperature Range (°C)	2 ~ +53	
Discharge Temperature Range (°C)	-18 ~ +53	
Storage Temperature Range (°C)	-20 ~ +35	
Relative Humidity Range	10 ~ 85%	
Maximum Working Altitude	< 4000m	
Product Dimensions [W*L*H] (mm)	420*260*891 ($\pm$ 3)	
Pack Dimensions [W*L*H] (mm)	520*985*435 ($\pm$ 5)	
Battery Pack Weight (kg) $\pm$ 3	109 $\pm$ 3	116 $\pm$ 3
Gross Weight (GW) (kg)	128.5 $\pm$ 3	133.6 $\pm$ 3
IP Rating	IP 20	
Communication Port	CAN / RS485	
Certification Standard	CE / IEC 62619 / UN 38.3	