



LiFePO₄ Battery

TK-500&720&1000&1500



Latest engineering internal design

Rigorous structure, Top quality battery cell



Full bracket design

Full space for each cell's best performance



Supports high current charging and multiple discharging

Continuous 1C charging,
1C discharging



Smart BMS

Big Power 200A Smart BMS



Prismatic cell

Long lifespan in 15-20years



>6000

Cycle Life@25°C



Voltage Balancing

Voltage balancing between battery cells & battery pack



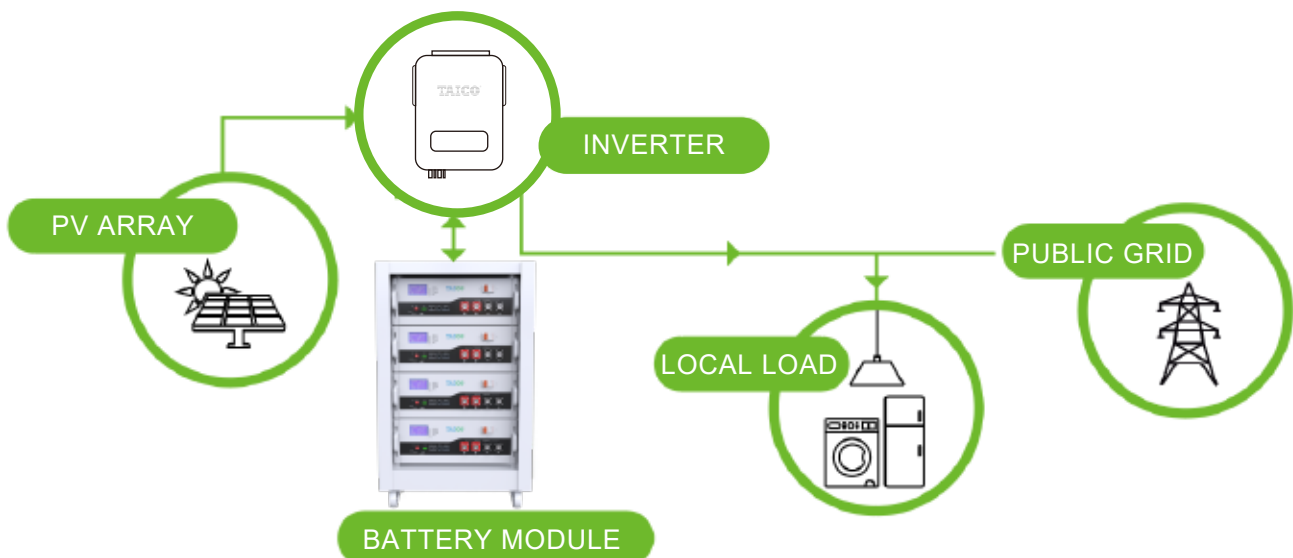
Furniture cabinet design

More intelligent in style



Parallel

Max Support 16 Parallels



Application Schematic

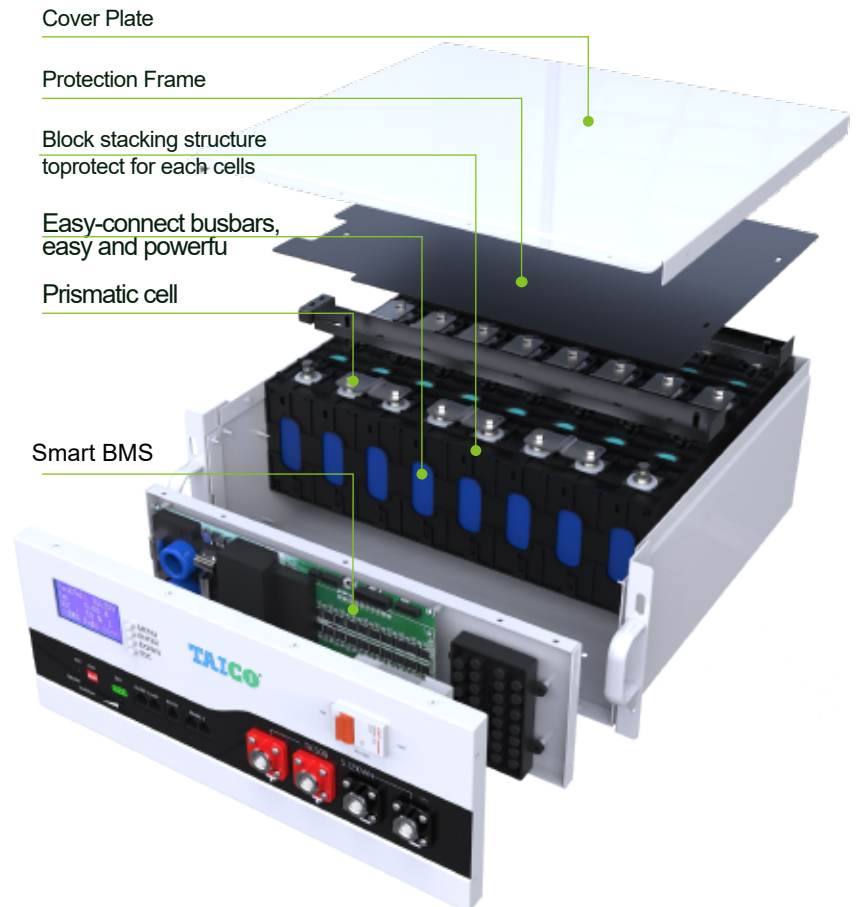
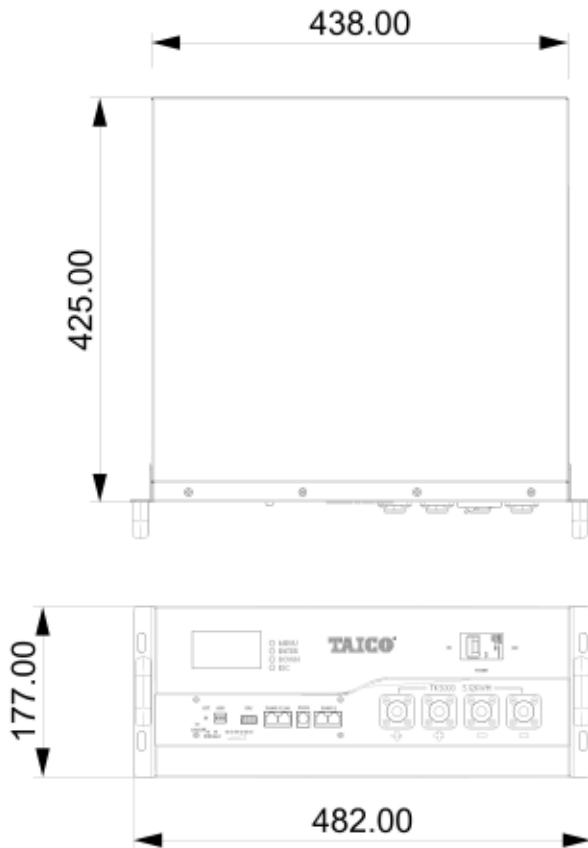


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2D Engineering Size and Details Show



Compatible Inverter Brands



Function Parameter

Product number	TK-500	TK-720	TK-1000	TK-1500
Norminal Battery Energy	5.12KWH	7.68KWH	10.24KWH	15.36KWH
Norminal Capacity	100Ah	150Ah	200Ah	300Ah
Norminal Voltage	51.2V	51.2V	51.2V	51.2V
Dimensions	482x425x177mm	482x500x280mm	482x500x280mm	482x700x280mm
Internal Resistance	≤30mΩ			
Cycle Life	>6000			
Months Self Discharge	<3%			
Charge Data				
DC Normal Charge Voltage	58.4±1Vdc			
Charge Mode	0.2C to 58.4V, then 58.4V,charge current to 0.02C (CC/CV)			
Recommended Charger Curren	≤50A			
Allowed Max. Charge Current	100A			
Charge Cut-off Voltage	57.6±1Vdc			
Discharge Data				
Continuous Discharge Current	100A			
Allowed Max. discharge current	100A		200A	
Discharge cut-off voltage	40V			
Working Condition				
Charge Temperature	0°C to 45°C (32°F to 113°F)			
Discharge Temperature	-20°C to 60°C (-4°F to 140°F)			
Storage Temperature	0°C to 40°C (32°F to 104°F)			
Enclosure Protection Level	IP20			
Mechanical Data				
Cell&Capacity	100AH			
Cell type	Prismatic cell			
Shell material	Iron Rack Mount Case			
TK-500 TK-720 TK-1000 TK-1500 				