



GSE POWER
BATTERIES AND ENERGY STORAGE

LiFePO₄ Battery

TK-240&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



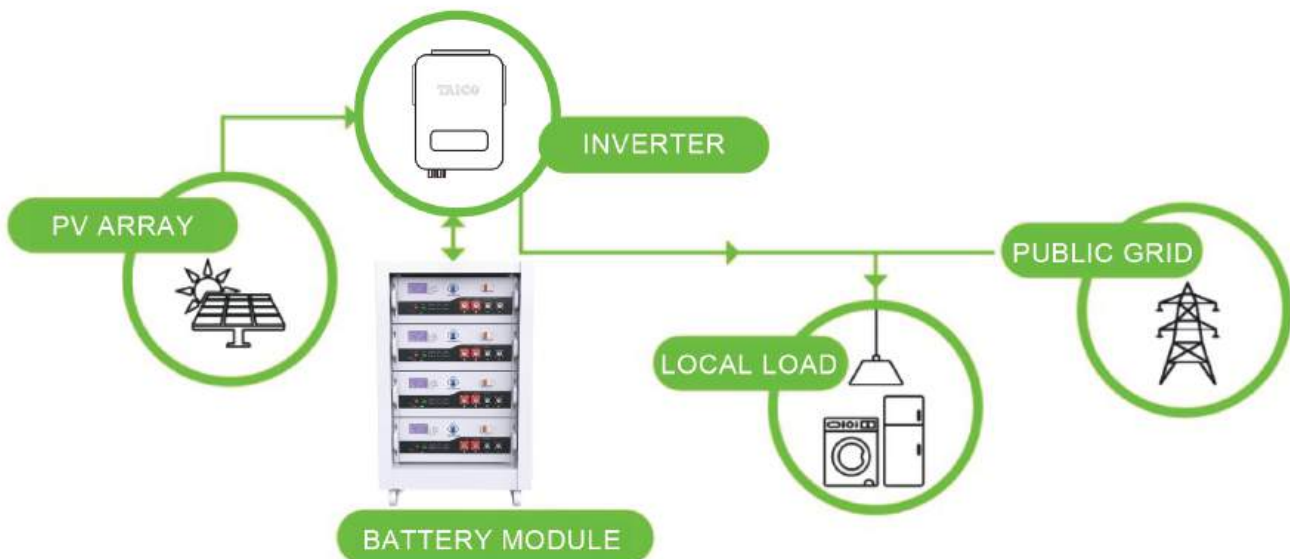
Voltage Balancing
Voltage balancing between battery cells & battery pack



Furniture cabinet design
More intelligent in style



Parallel
Max Support 16 Parallels



Application Schematic



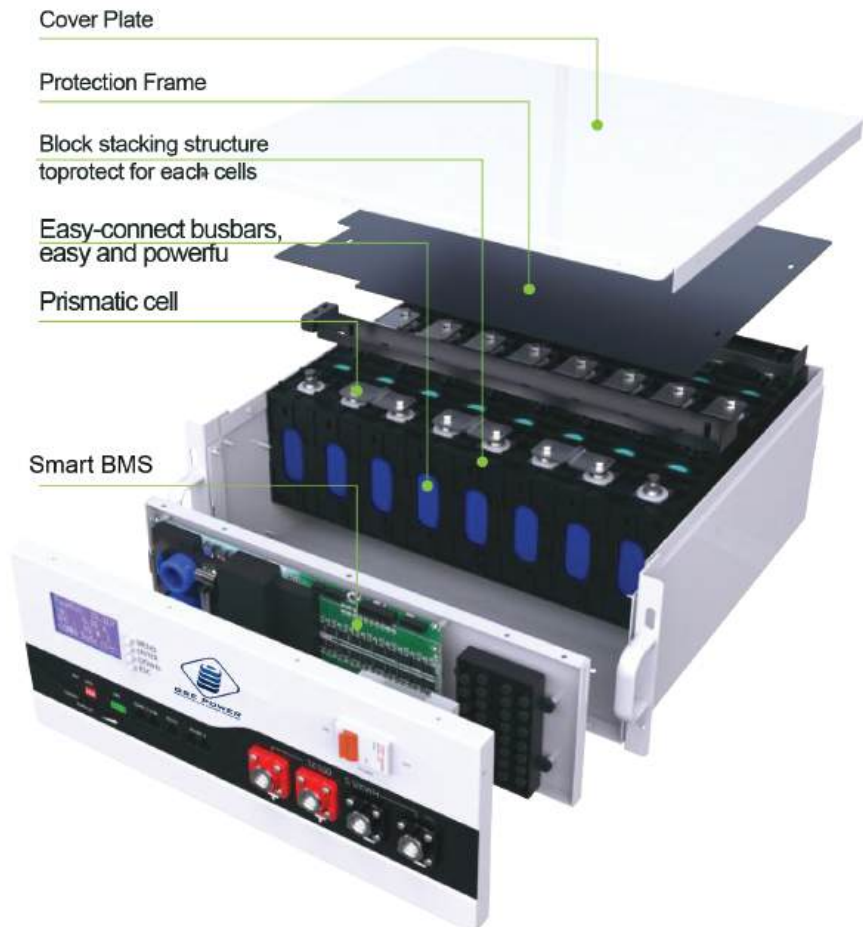
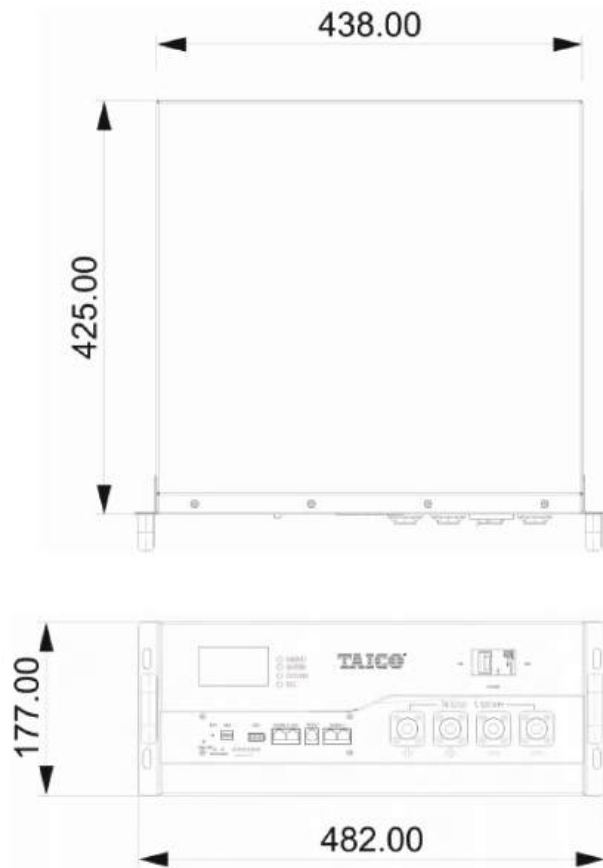
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2D Engineering Size and Details Show



Compatible Inverter Brands





Function Parameter

Product number	TK-240	TK-500	TK-720	TK-1000	TK-1500
Norminal Battery Energy	2.56KWH	5.12KWH	7.68KWH	10.24KWH	15.36KWH
Norminal Capacity	100Ah	100Ah	150Ah	200Ah	300Ah
Norminal Voltage	25.6V	51.2V	51.2V	51.2V	51.2V
Dimensions(mm)	482x425x177		482x500x280	482x500x280	482x700x280
Internal Resistance	≤30mΩ				
Cycle Life	>6000				
Months Self Discharge	<3%				
Charge Data					
DC Normal Charge Voltage	29.2±1Vdc	58.4±1Vdc			
Charge Mode	0.2C to 29.2V, then 29.2V, charge current to 0.02C (CC/CV)	0.2C to 58.4V, then 58.4V,charge current to 0.02C (CC/CV)			
Recommended Charger Current	≤50A				
Allowed Max. Charge Current	100A				
Charge Cut-off Voltage	28.8±1Vdc	57.6±1Vdc			
Discharge Data					
Continuous Discharge Current	100A				
Allowed Max. discharge current	100A			200A	
Discharge cut-off voltage	21V	42V			
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	IP54				
Mechanical Data					
Cell&Capacity	100AH				
Cell type	Prismatic cell				
Shell material	Iron Rack Mount Case				
TK-240TK-500TK-720TK-1000TK-1500					
					

