



TAICO Flagship Battery

TKPW-S5000/T-ONE-S5000&S10000



Additional function:Wifi Real-time control



Additional function:Bluetooth monitoring



Smart BMS
Big Power 100/200A Smart BMS



Remote Monitoring
Self-developed APP



>6000
Cycle Life@25°C



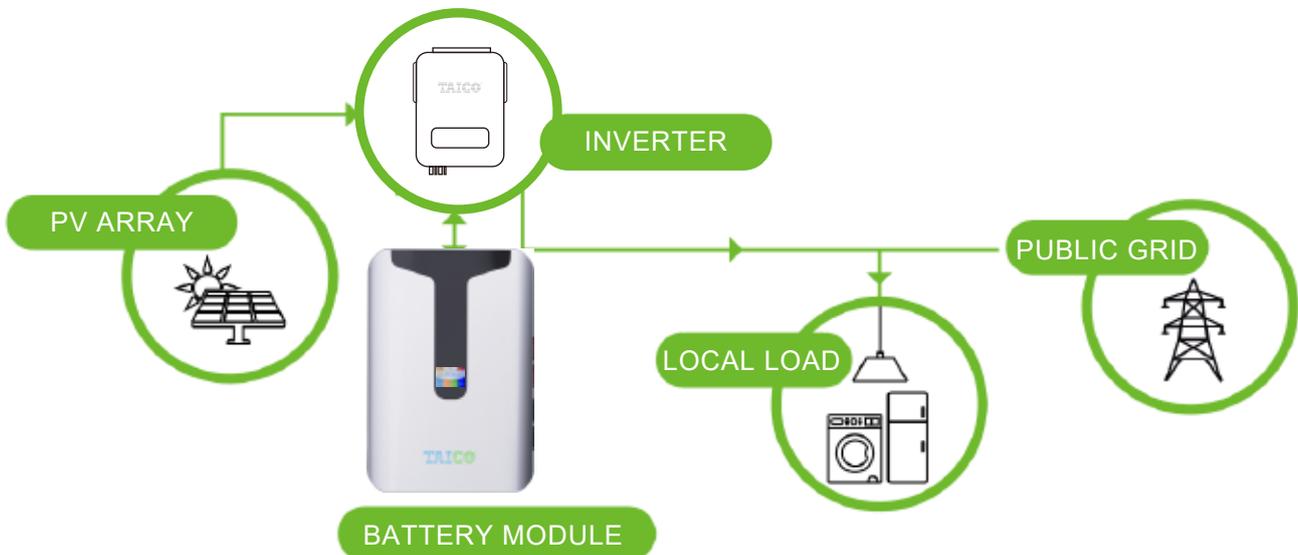
Interactive Touch Screen
Inverter communication:
touch screen to choose



Full Bracket Design
Full space for each
cell's best performance



Parallel
Max Support 32 Parallels



Application Schematic

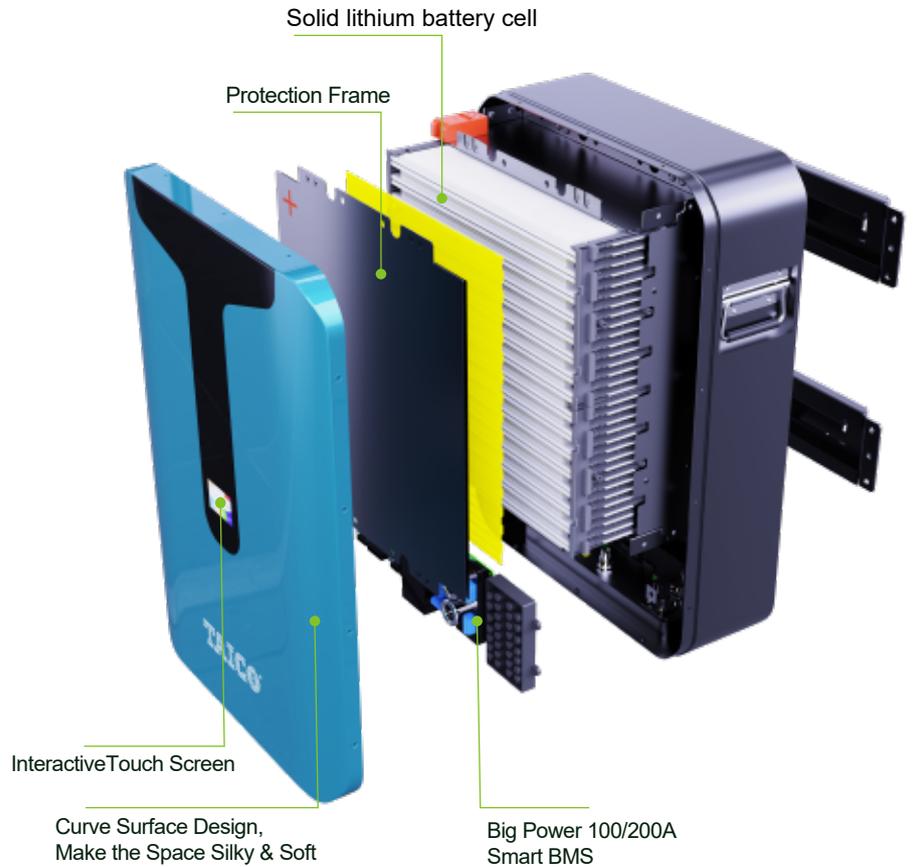
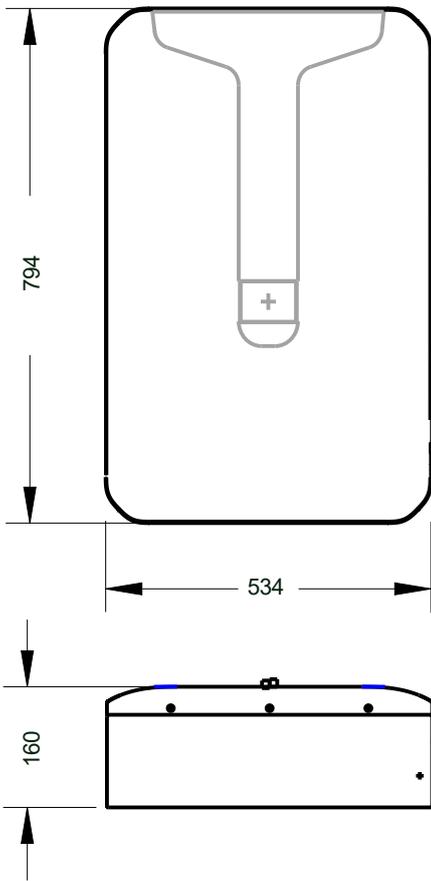


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2D Engineering Size and Internal Structure



Compatible Inverter Brands and Intergrated Cells Brands

Function Parameter

Product number	TKPW-S5000	T-ONE-S5000	T-ONE-S10000
Norminal Battery Energy	5.12KWH	5.12KWH	10.24KWH
Norminal Capacity	100Ah	100Ah	200Ah
Norminal Voltage	51.2V	51.2V	51.2V
Dimensions (MM)	600*410*170	606*428*160	794*534*160
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	50A	100A	
Charge Cut-off Voltage	58.4±1Vdc		
Discharge Data			
Continuous Discharge Current	100A		
Allowed Max. discharge current	100A	200A	
Discharge cut-off voltage	40V		
Working Condition			
Charge Temperature	0℃ to 45℃ (32℉ to 113℉)		
Discharge Temperature	-20℃ to 60℃ (-4℉ to 140℉)		
Storage Temperature	0℃ to 40℃ (32℉ to 104℉)		
Enclosure Protection Level	IP54		
Mechanical Data			
Cell&Capacity	Solid lithium battery cell		
Shell material	Iron shell		

TKPW-S5000



T-ONE-S5000



T-ONE-S10000

