



Vertical Roller Lifepo4 Battery

TKRB-T1500/T1600&TKRB-L1500/L2000&TKRB1500/1800/2000



Smart BMS
Big Power 200A Smart BMS



**brand new
grade A prismatic cells.**
Long lifespan in 15-20years



>8000
Cycle Life@25°C



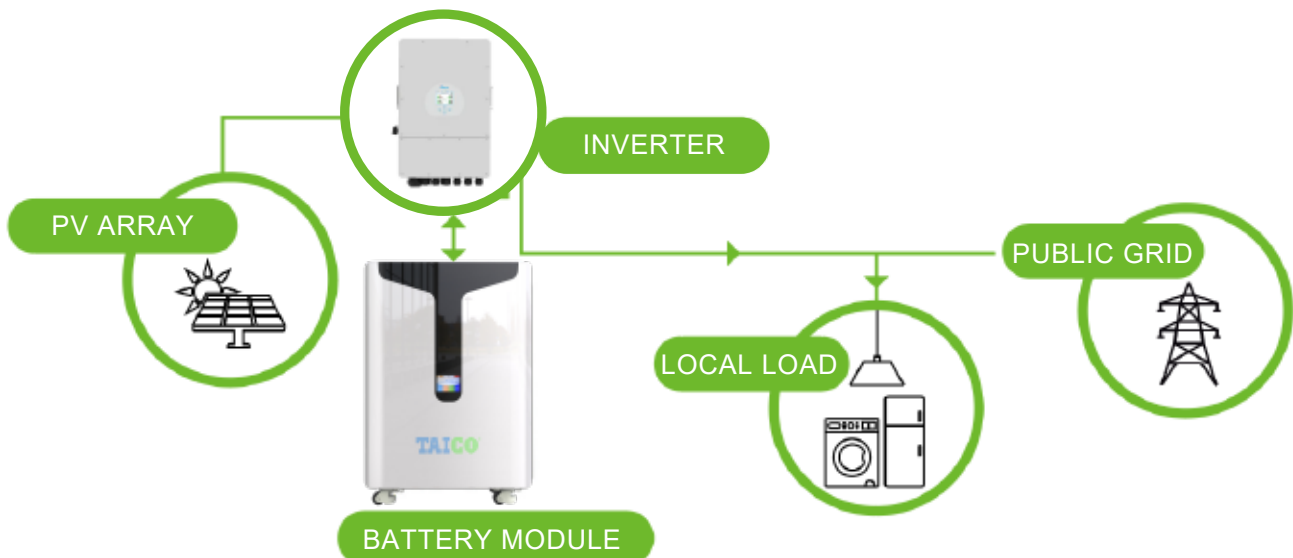
Voltage Balancing
Voltage balancing between battery
cells & battery pack



Furniture cabinet design
More intelligent in style



Parallel
Max Support 16 Parallels



Application Schematic

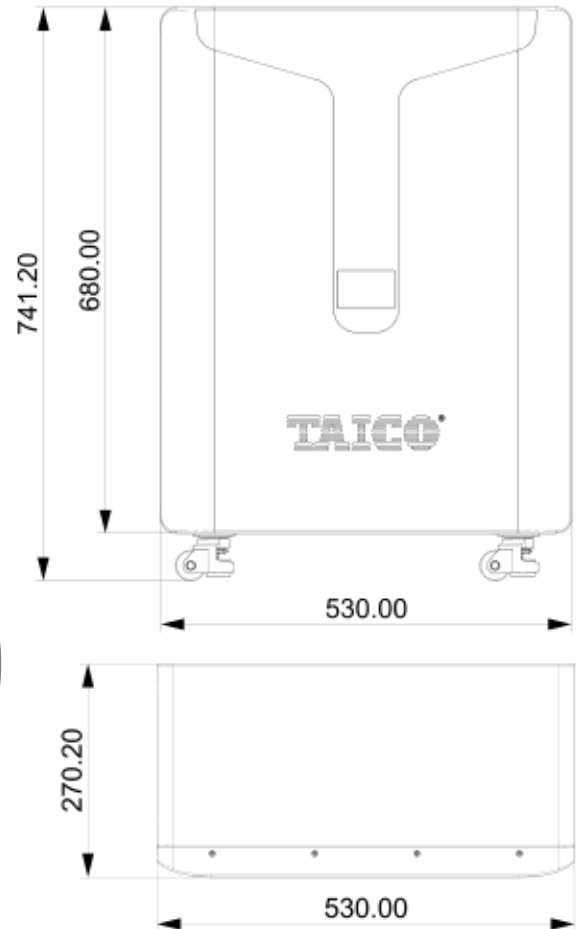


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2D Engineering Size and Details Show



Compatible Inverter Brands and Intergrated Cells Brands



Function Parameter

Product number	TKRB-T1500	TKRB-T1600	TKRB-L1500	TKRB-L2000
Norminal Battery Energy	15.36KWH	16.08KWH	15.36KWH	20.48KWH
Norminal Capacity	300Ah	314Ah	300Ah	400Ah
Norminal Voltage	51.2V			
Dimensions（MM）	530*250*680	530*250*680	530*250*680	640*380*755
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	58.4±1Vdc			
Discharge Data				
Continuous Discharge Current	150A			
Allowed Max. discharge current	200A			
Discharge cut-off voltage	40-42V			
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	Lifepo4 cell 3.2V300AH			
Shell material	Iron shell			
TKRB-T1500 TKRB-T1600  TKRB-L1500 TKRB-L2000 				

Function Parameter

Product number	TKRB1500	TKRB1800	TKRB2000
Norminal Battery Energy	15.36KWH	17.92KWH	20.48KWH
Norminal Capacity	300Ah	350Ah	400Ah
Norminal Voltage	51.2V		
Dimensions (MM)	530*250*680	640*380*755	640*380*755
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	58.4±1Vdc		
Discharge Data			
Continuous Discharge Current	150A		
Allowed Max. discharge current	200A		
Discharge cut-off voltage	40-42V		
Working Condition			
Charge Temperature	0℃ to 45℃ (32°F to 113°F)		
Discharge Temperature	-20℃ to 60℃ (-4°F to 140°F)		
Storage Temperature	0℃ to 40℃ (32°F to 104°F)		
Enclosure Protection Level	IP54		
Mechanical Data			
Cell&Capacity	Lifepo4 cell 3.2V300AH		
Shell material	Iron shell		
TKRB-1800 TKRB-2000  TKRB-1500 			