



**GSE POWER**  
BATTERIES AND ENERGY STORAGE

# 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



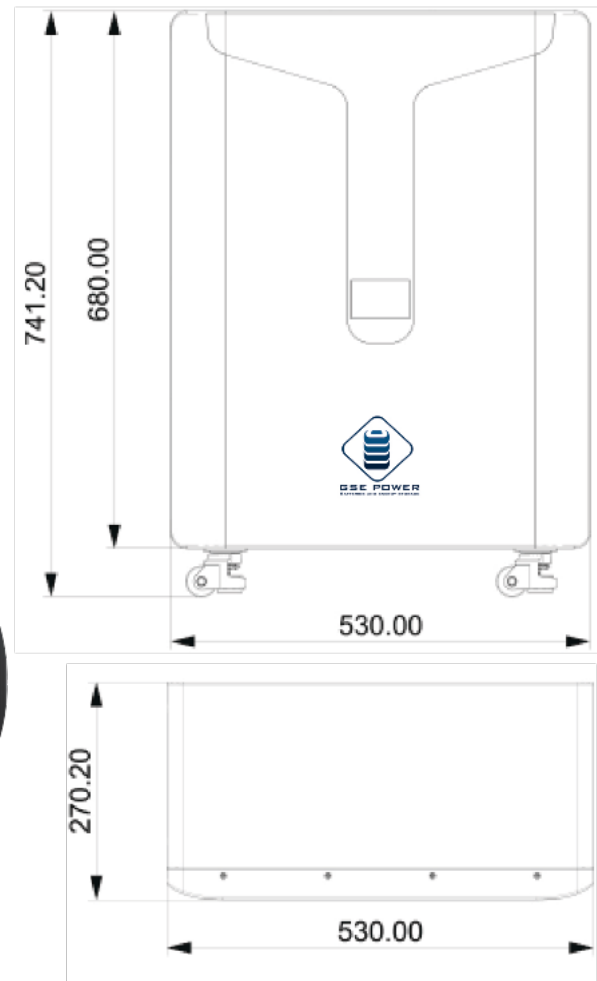
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## 2D Engineering Size and Details Show





## 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%			
<b>Charge Data</b>				
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			
<b>Discharge Data</b>				
Continuous Discharge Current	150A			
Allowed Max. discharge current	200A			
Discharge cut-off voltage	40-42V			
<b>Working Condition</b>				
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			
<b>Mechanical Data</b>				
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%		
<b>Charge Data</b>			
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		
<b>Discharge Data</b>			
Continuous Discharge Current	150A		
Allowed Max. discharge current	200A		
Discharge cut-off voltage	40-42V		
<b>Working Condition</b>			
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		
<b>Mechanical Data</b>			
Cell&Capacity	Lifepo4 cell 3.2V300AH		
Shell material	Iron shell		
TKRB-1800 TKRB-2000			

