






**GSE POWER**  
BATTERIES AND ENERGY STORAGE

# LiFePO<sub>4</sub> 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



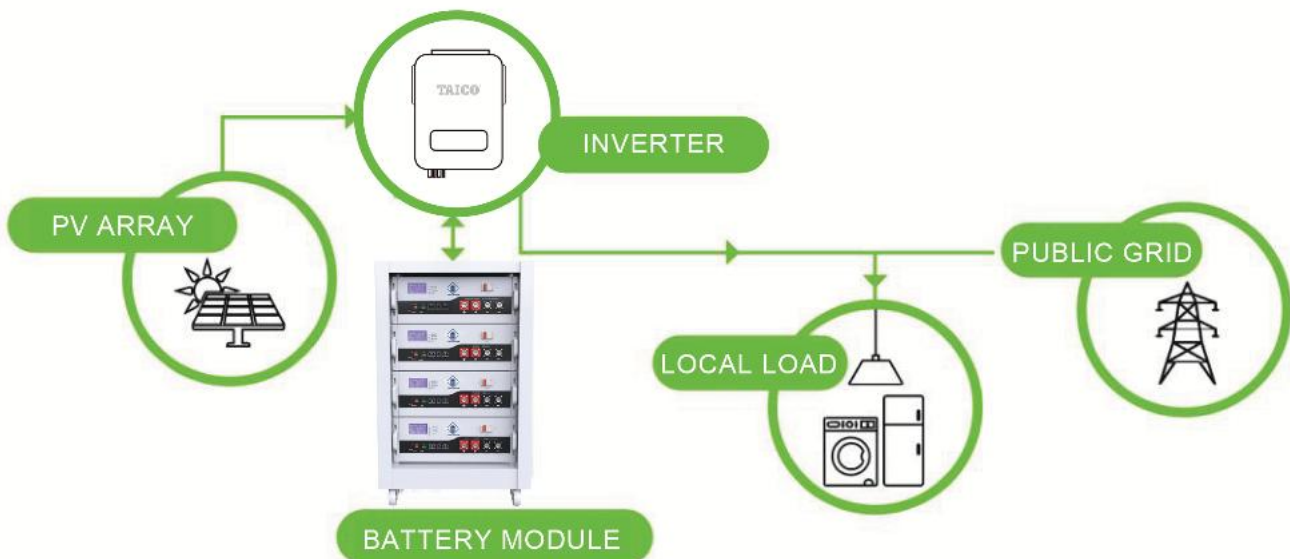
**Voltage Balancing**  
Voltage balancing between battery cells & battery pack



**Furniture cabinet design**  
More intelligent in style



**Parallel**  
Max Support 16 Parallels



Application Schematic



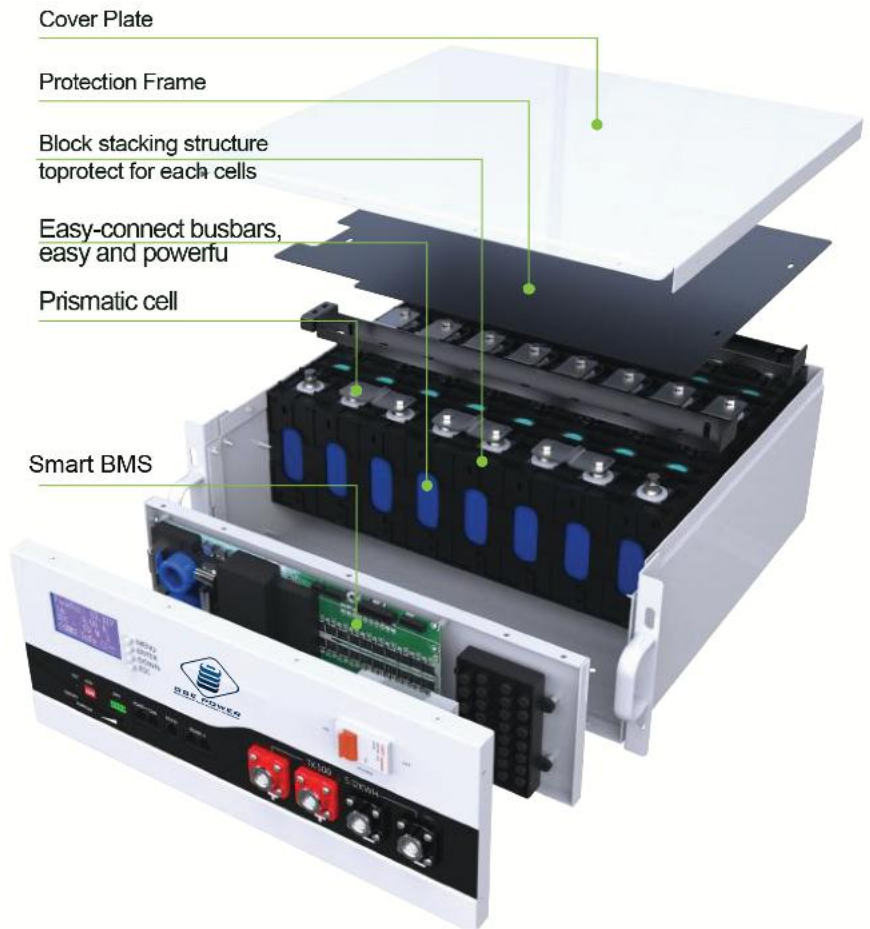
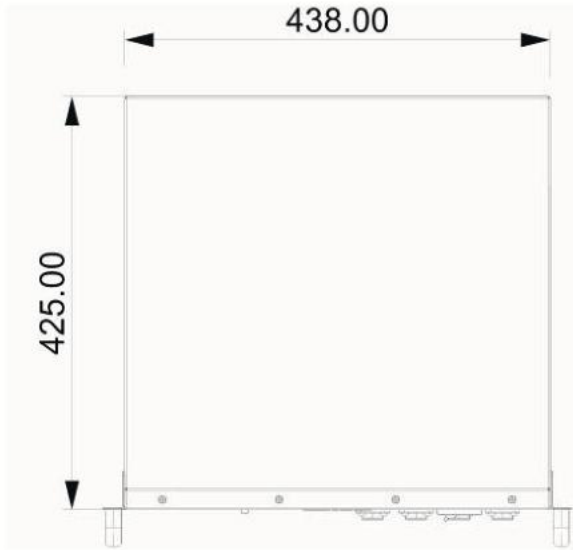
<http://www.gur-shifer.com>



[sales@gur-shifer.com](mailto:sales@gur-shifer.com)



## 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%				
<b>Charge Data</b>					
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 Curren	≤50A				
Allowed Max. Charge Current	100A				
Charge Cut-off Voltage	28.8±1Vdc	57.6±1Vdc			
<b>Discharge Data</b>					
Continuous Discharge Current	100A				
Allowed Max. discharge current	100A			200A	
Discharge cut-off voltage	21V	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	100AH				
Cell type	Prismatic cell				
Shell material	Iron Rack Mount Case				
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">TK-240 </div> <div style="text-align: center;">TK-500 </div> <div style="text-align: center;">TK-720 </div> <div style="text-align: center;">TK-1000 </div> <div style="text-align: center;">TK-1500 </div> </div>					