

# TG-Rack Series

## 3U Rack-Mounted High-Voltage Battery Pack

- Modular core design; customizable modules, easy maintenance & replacement.
- Rack modular layout, balances cabinet space utilization and later maintenance, suitable for standardized communication room management.



TG-Rack series adopts modular design. Expand system capacity via parallel battery modules and multi-cabinet connection. Compatible with mainstream inverters, plug-and-play

## 3U Rack-Mounted High-Voltage Battery Pack

MODEL	TH-R-HV20	TH-R-HV25	TH-R-HV30	TH-R-HV35	TH-R-HV40
Cell model/Configuration	3.2V100Ah /64S1P	3.2V100Ah /80S1P	3.2V100Ah /96S1P	3.2V100Ah /112S1P	3.2V100Ah /128S1P
System nominal voltage(V)	204.8	256	307.2	358.4	409.6
System operating voltage(V)	172.8~230.4	216~288	259.2~345.6	302.4~403.2	345.6~460.8
System energy(kWh)	20.48	25.6	30.72	35.84	40.96
Dimension W*D*H(mm)	538*492*791		538*492*1091	538*492*1241	538*492*1391
Weight(kg)	195	240	285	330	375
MODEL	TH-R-HV46	TH-R-HV51	TH-R-HV56	TH-R-HV61	TH-R-HV66
Cell model/Configuration	3.2V100Ah /144S1P	3.2V100Ah /160S1P	3.2V100Ah /176S1P	3.2V100Ah /192S1P	3.2V100Ah /208S1P
System nominal voltage(V)	460.8	512	563.2	614.4	665.6
System operating voltage(V)	388.8~518.4	432~576	475.2~633.6	518.4~691.2	561.6~748.8
System energy(kWh)	46.08	51.2	56.32	61.44	66.56
Dimension W*D*H(mm)	538*492*1541	538*492*1691	538*492*1841	538*492*1991	538*492*2141
Weight(kg)	420	465	510	555	600
Cell chemistry	LiFeP04				
Module energy(kWh)	5.12				
Module nominal voltage(V)	51.2				
Module capacity(Ah)	100				
Charge/Discharge Current(A) Recommend	50				
Charge/Discharge Current(A) Max	100				
Working temperature	Charge:0°C~50°C;Discharge:-20°C~55°C				
Communication port	CAN2.0/RS485/WIFI				
Humidity	5~85%RH Humidity				
Altitude	≤2000m				
IP rating of enclosure	IP20				
Installation location storage	Rack Mount				
Storage temperature(°C)	0°C~35°C				
Recommend depth of discharge	90%				
Cycle life	25±2°C,0.5C/0.5C,EOL70%≥6000				
Certificates	UN38.3,MSDS,CE-EMC				

- Images for reference only, please refer to the actual product images in the order