



5U Low Voltage Rack Battery



Product Highlights

/ Flexible Investment

5kWh/10kWh modular design,
scalable from 5 to 150kWh.

/ Perfect Compatibility

Compatible to most inverter brands on the market.

/ TÜV Certification

Battery IEC/UL standard.

/ Safety

BMS & Breaker two Level over current protection.

MODEL	TG-48280-R	TG-48304-R	TG-48314-R	TG-51205-R	TG-51280-R	TG-51304-R	TG-51314-R
Rate voltage(Vdc)	48			51.2			
Cell combination(S1P)	15S1P			16S1P			
Rate capacity(AH)	280	304	314	205	280	304	314
Energy storage(KWH)	13.4	14.6	15.1	10.5	14.3	15.6	16.1
Cycle life	25±2°C, 0.5C/0.5C, EOL70%≥6000						
Standard/Max. charge current(A)	150A/200A						
Max. discharge current(A)	200A						
Discharge cut-off voltage(VDC)	40.5			43.2			
Charge cut-off voltage(VDC)	54			57.6			
Charge temperature	0°C~55°C@60 ± 25% Relative Humidity						
Discharge temperature	-20°C~55°C@60 ± 25% Relative Humidity						
Storage temperature	-20°C~50°C@60 ± 25% Relative Humidity						
IP class	IP20						
Material system	LiFePO4						
Case material	Metal						
Case type	Rack Mount						
Product dimension L*W*H(mm)	780*445*230	780*445*230	780*445*230	600*442*222	780*446*230	780*446*230	780*446*230
Net weight(kg)	108.5	108.5	108.5	92	113.5	113.5	113.5
Certificates	UN38.3, MSDS, CE-EMC						

