

TG-Rack Series

3U/4U/5U Rack-Mounted Low-Voltage Battery Pack

- Standard 3U/4U/5U size, suitable for 19/21-inch communication cabinets.
- Long-life lithium iron phosphate cells, designed 10+ year service life.
- Fully modular design, customizable modules, easy maintenance & expansion.



3U Rack-Mounted LV Battery Pack

MODEL	TH-24100-R	TH-24200-R	TH-48100-R	TH-51100-R
Rate voltage(Vdc)	25.6		48	51.2
Cell combination	8S1P	8S2P	15S1P	16S1P
Rate capacity(AH)	100			
Energy storage(KWH)	2.56	5.12	4.8	5.12
Charge voltage(V)	28		54	57.6
Max.charge current(A)	100A			
Max.discharge current(A)	100A			
Discharge cut-off voltage(VDC)	21.6		40.5	43.2
Charge cut-off voltage(VDC)	29.2		54.75	57.6
Product dimension L*W*H(mm)	430*442*133		480*442*133	
Package dimension L*W*H(mm)	530*530*210		580*530*210	
Net weight(kg)	25	45	42	45
Gross weight(kg)	30	50	47	50
Certificates	UN38.3, MSDS, CE-EMC			UN38.3,MSDS, CE-EMC, IEC62619,UL1973

4U Rack-Mounted LV Battery Pack

MODEL	TH-48100-R	TH-48200-R	TH-51100-R	TH-51200-R
Rate voltage(Vdc)	48		51.2	
Cell combination	15S1P	15S2P	16S1P	16S2P
Rate capacity(AH)	100	200	100	200
Energy storage(KWH)	4.8	9.6	5.12	10.24
Max.charge current(A)	100A			
Max.discharge current(A)	100A			
Discharge cut-off voltage (VDC)	40.5		43.2	
Charge cut-off voltage (VDC)	54		57.6	
Product dimension L*W*H(mm)	460*440*178	680*440*178	460*440*178	680*440*178
Package dimension L*W*H(mm)	590*515*230	850*580*295	590*515*230	850*580*295
Net weight(about)(kg)	42.5	76.85	45	80.6
Gross weight(about)(kg)	47.1	84.3	49	86.7
Certificates	UN38.3, MSDS, CE-EMC			

5U Rack-Mounted LV Battery Pack

MODEL	TG-48304-R	TG-48314-R	TG-51205-R	TG-51304-R	TG-51314-R
Rate voltage(Vdc)	48		51.2		
Cell combination(S1P)	15S1P		16S1P		
Rate capacity(AH)	304	314	205	304	314
Energy storage(KWH)	14.6	15.1	10.5	15.6	16.1
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		
Product dimension L*W*H(mm)	780*445*230	780*445*230	600*442*222	780*446*230	780*446*230
Net weight(kg)	108.5	108.5	92	113.5	113.5
Certificates	UN38.3,MSDS,CE-EMC				
General configuration					
Cycle life	25±2°C,0.5C/0.5C,EOL70%≥6000				
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				
Protocol(Optional)	CAN/RS485/RS232				

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

web:www.recreen.com
Email:info@recreen.com