

TG-Rack Series

5U Rack-Mounted
High-Voltage Battery Pack



Technical Features

- Cabinet Compatibility & Installation:
- Compatible with 19- / 21-inch standard communication cabinets. Standard 3U/5U size, with excellent cabinet integration adaptability.
- Cell & Service Life:
- Adopts long-life LFP (Lithium Iron Phosphate) cells, with outstanding cycle life. Designed service life exceeds 10 years.
- Modular Design & Maintenance:
- Fully modular architecture design. Independent hot-swappable modules. Capacity expansion available without shutdown, suitable for diversified power demands.
- Performance & Safety:
- Intrinsically safe LFP cells. Multiple protections against over-charge, overdischarge and short circuit for higher reliability.

5U Rack-Mounted High-Voltage Battery Pack 64314-R4~R15

MODEL	TH-64314-R4	TH-64314-R5	TH-64314-R6	TH-64314-R7	TH-64314-R8
Nominal voltage	256	320	384	448	512
Cell mode/Configuration	3.2V314Ah /80S1P	3.2V314Ah /100S1P	3.2V314Ah /120S1P	3.2V314Ah /140S1P	3.2V314Ah /160S1P
Capacity(Ah)	314				
Rate energy(kWh)	80.38	100.48	120.58	140.67	160.77
Weight(Approx)(kg)	574	708	841	975	1128
Dimension W*D*H(mm)	550*937*1450	550*937*1700	550*937*1960	550*937*2210	1100*937*1450
Voltage range(Vdc)	216~288	270~360	324~432	378~504	432~576
MODEL	TH-64314-R9	TH-64314-R10	TH-64314-R11	TH-64314-R12	TH-64314-R13
Nominal voltage	576	640	704	768	832
Cell mode/Configuration	3.2V314Ah /180S1P	3.2V314Ah /200S1P	3.2V314Ah /220S1P	3.2V314Ah /240S1P	3.2V314Ah /260S1P
Capacity(Ah)	314				
Rate energy(kWh)	180.86	200.96	221.06	241.15	261.25
Weight(Approx)(kg)	1242	1395	1510	1662	1780
Dimension W*D*H(mm)	1100*937*1450	1100*937*1710	1100*937*1710	1100*937*1960	1100*937*1960
Voltage range(Vdc)	486~648	540~720	594~792	648~864	702~936
Max.charge/discharge current(A)	140				
Scalability	Up to 4 clusters in parallel				
Communication	RS485(B)-BAT/RS485(A)-PC/Canbus-Inverter				
Cycle life	25±2°C,0.5C/0.5C,EOL70%≥6000				
Design life	≥15 years(25°C)				
Protection	BMS,Breaker				
Operation temperature(°C)	Charge:0°C~50°C;Discharge:-20°C~50°C				
Altitude(m)	≤2000				
Humidity	<95%(Non-condensing)				
Certificates	UN38.3,MSDS,CE-EMC				

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