

Stackable G Series High Voltage LFP Batteries



Basic Properties	PBG-153100	PBG-204100	PBG-256100	PBG-307100	PBG-358100	PBG-409100
Cell Type	LiFePO ₄ - Prismatic					
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage Range	134V-170V	179V - 227V	224V - 284V	268V - 340V	313V-397V	358V-454V
Nominal Capacity	100Ah					
Nominal Energy Capacity	15.3 kWh	20.4 kWh	25.6 kWh	30.7 kWh	35.8 kWh	40.9 kWh
Max. Charge Voltage	172V	230V	288V	345V	403V	460V
Max. Cont. Charge/Discharge Current	0.5C / 0.5C					
Cycle Life (*)	≥4000 cycles					
Normal Operating Temperature	25°C					
Charging Temperature	0~50°C					
Discharging Temperature (**)	-15~50°C					
Storage Temperature	-10~60°C					
Residual Capacity Loss	Monthly ≤ 4% (25°C ± 2C)					
Warranty	Monthly ≤ 4% (25°C ± 2C)					
Parallel/Serial Connection	No					
Functional Properties						
Communication	CAN, RS485					
Scalability	Serial Pack Addition					
Cooling	Natural					
BMS Protections	UV, OV, OC, UT, OT, SC					
LED Indicators	Alarm, Run, SOC					
Circuit Breaker	Yes (In Master BMS Unit)					
Compatible Inverter (***)	Pomega, Deye, Victron, Senergy, Growatt, Solplanet, Hopewind					
Mechanical Properties						
Protection Level	IP65					
Humidity	0-85%RH (non-condensing)					
Altitude	<3000 m					
Dimension (WxDxH) without connector and handle	683×455×655 mm	683×455×805 mm	683×455×955 mm	683×455×955 mm	683×455×1255 mm	683×455×1405 mm
Weight	181 ± 5 kg	233 ± 5,5 kg	285 ± 6 kg	337 ± 6,5 kg	389 ± 7 kg	441 ± 7,5 kg

(*) Test Conditions: 25°C

(**) Performance may vary in different conditions

(***) Contact us for other inverter brands