

Portable Energy Storage Systems



Reliable, Durable, and Advanced Energy Solutions for Modern Needs

Pomega portable batteries are engineered to ensure seamless operation, maximizing productivity and minimizing downtime. Designed for durability and reliability, Pomega's portable batteries are equipped with advanced technology and intelligent management systems, delivering consistent energy even in strenuous conditions. Expect unwavering reliability, enhanced productivity, and sustainable energy solutions with Pomega. Pomega portable batteries are the perfect energy storage solutions for L7 class vehicles, electric golf carts, and small area transportation.

Mobility Applications

- ➊ Easy installation and operation
- ➋ Off-Grid Application
- ➌ Long Lifetime
- ➍ Modular structure
- ➎ Inceasable capacity
- ➏ Elegant Design
- ➐ High Level Protection



Portable Standard Type Batteries



Basic Properties	PBK-12100	PBK-12200	PBK-24100
Cell Type	LiFePO ₄ - Prismatic		
Nominal Voltage	12.8V		25.6V
Operating Voltage Range	11.2V - 14.2V		22.4V - 28.4V
Nominal Capacity	100Ah	200Ah	100Ah
Nominal Energy Capacity	1280Wh	2560Wh	2560Wh
Max. Charge Voltage	14.2V		28.4V
Recommended Charge/Discharge Current	30A/30A	50A/50A	30A/30A
Max. Cont. Charge/Discharge Current (*)	60A/60A	100A/100A	60A/60A
Max. Charge/Discharge Current (<15s)	-		
Capacity By Temperature	100 % (25°C), 94 % (0°C)		
Cycle Life (**)	≥6000 cycles		
Normal Operating Temperature	25°C		
Charging Temperature	0-50°C		
Discharging Temperature (***)	-20-50°C		
Storage Temperature	-20-55°C		
Warranty	10 Years		
Functional Properties			
BMS Protections	UV, OV, OC, UT, OT, SC		
Screen	Yes (2.2 Inches)		
Communication Interfaces	Bluetooth		
CAN Communication Protocols	-		
Parallel Connection	Yes (with initial manual balancing)		
Serial Connection	No		
Safety Relay Control	No		
Dry Contacts	No		
Protective Vent	Yes		
Internal Self Heating	No		
Mechanical Properties			
Battery Case Material	PC-ABS		
Power Terminals	M8 Screw In		
Protection Level	IP65		
Humidity	5% - 85% RH (non-condensing)		
Altitude	<3000 m		
Dimension (WxDxH)	279x205x215 mm	475x205x215 mm	475x205x215 mm
Weight	13±1 kg	22±1 kg	22±1 kg

(*) Operates for a complete cycle (full charge/discharge) under 20°C without interruption
 (**) Test Conditions: 25°C, 70% SOH
 (***) Performance may vary in different conditions