

24V / 48V WATERPROOF BATTERY CHARGER

FC C E RoHS



24V WATERPROOF BATTERY CHARGER

High Efficiency Charging

85% Peak Efficiency – Fast, energy-saving charging with minimal power loss

LiFePO₄-Optimized – Enhances battery lifespan and ensures stable long-term performance

Industrial-Grade Protection

IP67 Waterproof & Shock-Resistant – Fully sealed die-cast aluminum housing withstands dust, water, impact, and automotive-grade vibration (100% full-load aging tested)

8-in-1 Safety – Overvoltage / Overcurrent / Short-circuit / Reverse Polarity / Overheating / Undervoltage / Auto-shutoff / 0V Battery Activation

Reliable Power

28.8V/10A/20A/30A Output with Cooling Fan – Delivers fast, stable charging for 24V LiFePO₄ batteries with active heat dissipation

Universal AC Input – Supports 100–240V, 50/60Hz input for global compatibility

48V WATERPROOF BATTERY CHARGER

High Efficiency Charging

88–93% Peak Efficiency – Fast, energy-saving charging with minimal power loss

LiFePO₄-Optimized – Enhances battery lifespan and ensures stable long-term performance

Industrial-Grade Protection

IP67 Waterproof & Shock-Resistant – Fully sealed die-cast aluminum housing withstands dust, water, impact, and automotive-grade vibration (100% full-load aging tested)

8-in-1 Safety – Overvoltage / Overcurrent / Short-circuit / Reverse Polarity / Overheating / Undervoltage / Auto-shutoff / 0V Battery Activation

Reliable Power

57.6V/15A/20A/25A Output with Cooling Fan – Delivers fast, stable charging for 48V LiFePO₄ batteries with active heat dissipation

Universal AC Input – Supports 100–240V, 50/60Hz input for global compatibility

SPECIFICATION

24V WATERPROOF BATTERY CHARGER

Model	RS-BC24C10	RS-BC24C20	RS-BC24C30
DC Output Current	Max 10A	Max 20A	Max 30A
Dimensions	8.4 × 4.1 × 3.0 in	11.3 × 6.9 × 3.3 in	11.3 × 7.8 × 3.5 in
Weight	3.3 lb	7.1 lb	9.5 lb
DC Output Voltage	28.8V		
Battery Type	LFP Battery		
Input Voltage Range	100–240V AC, 50/60Hz		
Peak Efficiency	≥85%		
Charging Indicator	2 Color LED		
Working Temperature	14°F to 113°F (–10°C to 45°C)		
Protections	Overvoltage, Overcurrent, Short-Circuit, Reverse Polarity, etc.		
Enclosure Material	Die-Cast Aluminum		
Waterproof	IP 67 Rated		

48V WATERPROOF BATTERY CHARGER

Model	RS-BC48C15	RS-BC48C20	RS-BC48C25
DC Output Current	Max 15A	Max 20A	Max 25A
Dimensions	11.3 × 6.9 × 3.3 in	11.3 × 7.8 × 3.5 in	11.3 × 7.8 × 3.5 in
Weight	7.1 lb	9.5 lb	9.5 lb
DC Output Voltage	57.6V		
Battery Type	LFP Battery		
Input Voltage Range	100–240V AC, 50/60Hz		
Peak Efficiency	88–93%		
Charging Indicator	2 Color LED		
Working Temperature	14°F to 113°F (–10°C to 45°C)		
Protections	Overvoltage, Overcurrent, Short-Circuit, Reverse Polarity, etc.		
Enclosure Material	Die-Cast Aluminum		
Waterproof	IP 67 Rated		