

BSLBATT 750W Series Charger

It is specifically designed to supplement the power of electric vehicle batteries and is compatible with leadacid, lithium, nickel-metal hydride, and nickel-cadmium batteries. It can be used for both cyclic and float charging of battery packs in golf carts, forklifts, aerial work platforms, floor sweepers, telecom systems, electric power equipment, marine applications, and more.

	Rated voltage output range	Input Current	Rated output voltage	Maximum output voltage	Maximum output current	Power Factor	Efficiency	Maximum output power
	AC 200~240V	≤5A	24V	33V	20A	≥0.99	≥90%	750W
			30V	42V	18A			
			48V	67V	15A			
			60V	88V	12A			
			72V	102V	10A			
			24V	34V	18A			
	AC 100~240V	≤4A	48V	67V	9A	≥0.99	≥90%	
			60V	86V	6A			
			72V	97V	5A			

PRODUCT CHARACTERISTICS

SAFETY

Active PFC and LLC technique is used for a rapid response on a fault; Quick active software and passive hardware protection on voltage¤t; Advanced charging strategy is applied as safeguard for the battery.

The shell is shaped by integrated die casting technique and filled with special glue. This series of chargers had been operated in all kinds of industrialenvironment (Wet, Hot, Cold, high altitude) for more than ten years to pass verification.

FUNCTIONS

CAN BUS Interface;
Triple Colors Indicator;

Vehicle Charging Lock System; Auxiliary power supply for 12V;

WORKING ENVIRONMENT & OTHERS

- Input frequency: 45-65Hz
- Altitude: ≤1000m
- Noise: ≤45dB
- Protection level: IP65
- Working temperature: -35°C ~ +65°C
- Storage temperature: -40°C ~ +95°C
- Relative humidity: ≤85% (when the medium temperature is 20±5℃)



Output overvoltage protection

Active PFC and LLC technique is used for a rapid response on a fault; Quick active software and passive hardware protection on voltage¤t; Advanced charging strategy is applied as safeguard for the batterv.

Output overcurrent protection function

When the load current exceeds the output overcurrent protection value set inside the charger, the charger immediately cuts off the output relay and sends out an alarm signal.

Femperature protection

When the internal temperature of the machine exceeds the internal set value, the charging current will automatically decrease; when the ambient temperature exceeds $65\pm2^\circ$ C, the charger will stop and alarm, and when the ambient temperature drops to $55\pm2^\circ$ C, the charger will resume charging; 2. When the ambient temperature is lower than $-40\pm2^\circ$ C, the charger will stop and alarm, and when the ambient temperature returns to $-35\pm2^\circ$ C, the charger will resume will resume charging;

No-load protection

When the charger cannot detect the battery voltage or the battery voltage is lower than the internally set minimum threshold, the charger alarm prompts no output and an alarm prompts

Output voltage limit protection (for products with CAN communication)

PROTECTION FUNCTION

When the BMS requests the charger to output a voltage higher than the maximum output voltage threshold set inside the charger, the charger outputs the voltage according to the maximum output voltage threshold set inside the charger.

Communication abnormality protection (for products with CAN communication)

If the charger fails to receive the correct message for 5 seconds, it will stop charging and alarm. If the charger receives the correct message, it will resume charging.

Feverse battery protection

The charger has no output when the battery is connected in reverse

- Temperature controlled air cooling The fan rotates during charging and stops when fully charged.
- Automatic shutdown when battery is fully charged Yes
- Fault status indication Yes

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