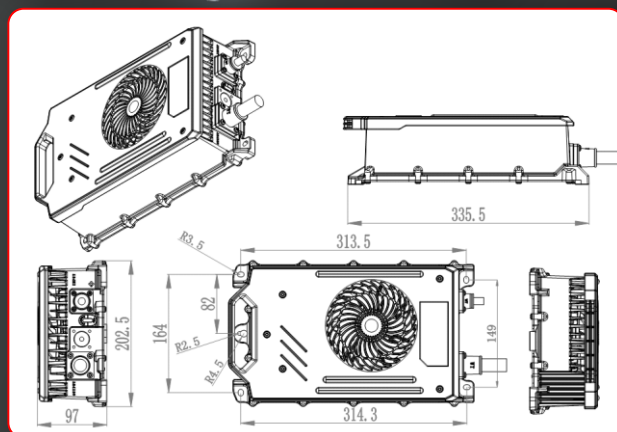


BSLBATT 3000W BG Series Charger

It is specifically designed to supplement the power of electric vehicle batteries and is compatible with lead-acid, 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 220~240V	≤14.5A	24	33V	50A	≥0.99	≥90%	3000W
		36V	51V	50A			
		48V	73V	50A			
		72V	103V	35A			
		96V	120V	30A			
AC 120V	≤13A	24V	33V	50	≥0.99	≥90%	3000W
		36V	51V	30			
		48V	73V	25			
		72V	103V	15			
		96V	120V	15			



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.

! RELIABILITY

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 industrial environment (Wet, Hot, Cold, high altitude) for more than ten years to pass verification.

! FUNCTIONS

- CAN BUS Interface;
- Vehicle Charging Lock System;
- Triple Colors Indicator;
- 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°C)

PROTECTION FUNCTION

⚡ Output overvoltage protection function

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.

⚡ 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.

⚡ Temperature 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±2°C, the charger will stop and alarm, and when the ambient temperature drops to 55±2°C, the charger will resume charging; 2. When the ambient temperature is lower than -40±2°C, the charger will stop and alarm, and when the ambient temperature returns to -35±2°C, the charger 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)

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.

⚡ Reverse 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