

BSL Power BS1000-48V/60V/72V Inverter Datasheet

1000W Pure Sine Wave / High Voltage DC Input / E-Motorcycle Specialist

Model: BS1000-48V/60V/72V | Continuous Power: 1000W | Peak: 1500W

1. Product Overview

The **BSL Power BS1000 Series** is a high-performance power inverter designed for heavy-duty electric motorcycles, scooters, and light electric vehicles. Available in three optimized voltage versions (48V, 60V, and 72V), it converts high-voltage DC battery power into clean, stable 220V/230V AC electricity. Its compact, vertically-oriented design with a high-contrast digital display, integrated Type-C PD, and USB charging ports makes it an essential companion for riders and field professionals needing reliable power on the go.

Key Features:

- **Optimized Voltage Versions:** Available for 48V, 60V, or 72V battery systems.
- **1000W Continuous Output:** Reliable power for resistive loads up to 1500W.
- **Pure Sine Wave:** Clean AC output to protect sensitive electronic devices.
- **Smart Cooling:** Dynamic thermal management for stable 24/7 operation.



2. Technical Specifications

Parameter	Specification
Continuous Output Power	1000 Watts
Peak (Surge) Power	1500 Watts
AC Output Voltage	220V / 230V AC $\pm$ 5%
Output Waveform	Pure Sine Wave (THD < 3%)
DC Input Options (Select Model)	48V Version / 60V Version / 72V Version
48V Input Range	DC 43V - 59V (Rated Current: 20A)
60V Input Range	DC 52V - 72V (Rated Current: 16A)
72V Input Range	DC 65V - 88V (Rated Current: 13.5A)
Conversion Efficiency	$\geq$ 90%
DC Charge Ports	Type-C (PD) / USB Fast Charge
Working Temp / Protection	-20°C to +50°C / Full Digital Protection