AC Hybrid Charger Controller

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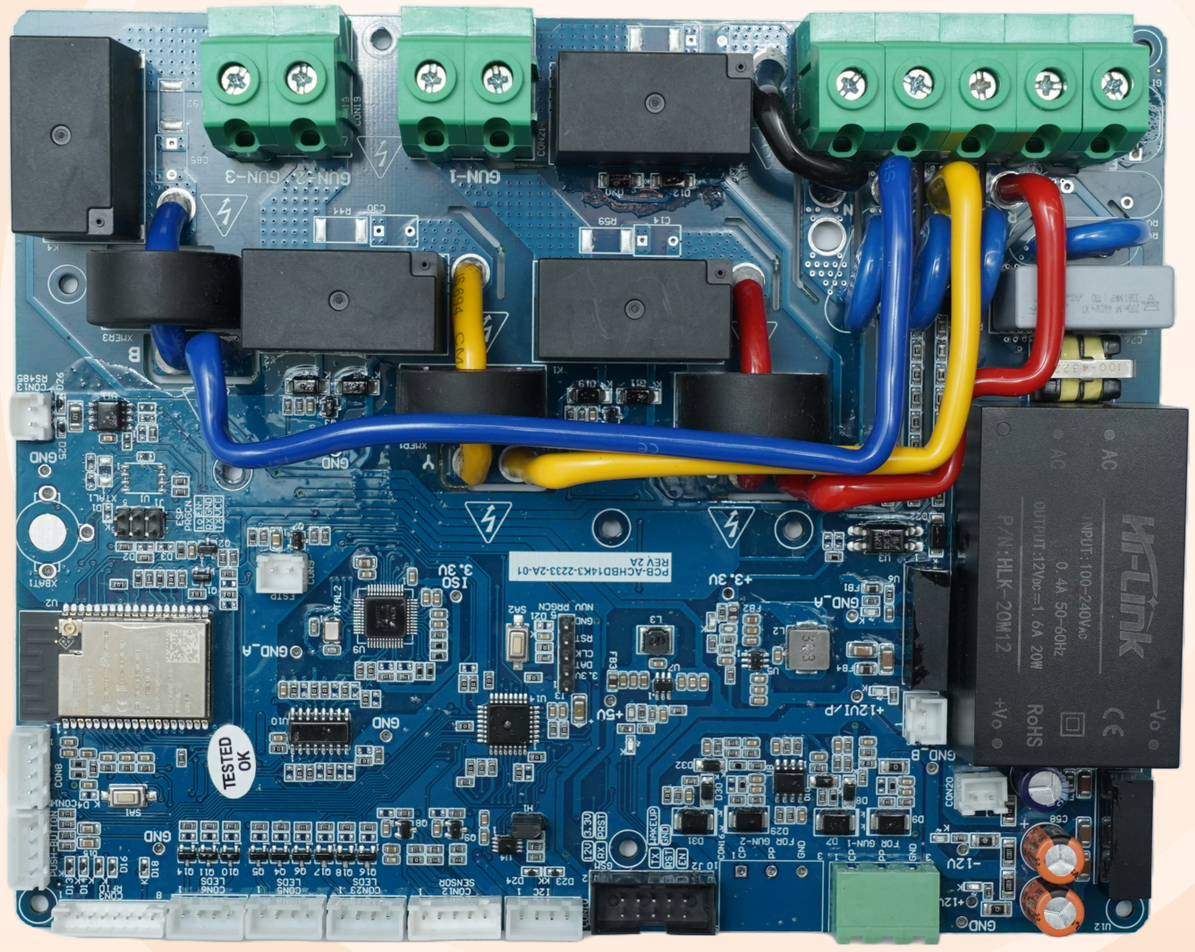
Introduction

Bacancy's AC Hybrid charger controller offers a customized solution that helps to build the complete AC charger ecosystem which comes with two IEC60309 sockets and one Type-2 connector. It is an "All in One" product with built-in features to integrate AC charging components like a 20x4 Character LCD Display, Energy Meter, RFID-based authentication, and OCPP to make a smoother experience in developing AC chargers. The LED indicator on the front panel helps to get the charger's status by indicating it via different colored LEDs.

Key Features

- WiFi and 4G LTE wireless connectivity and integration with CMS
- LED indication for Presence of Input Supply, Error Indicator, for status indication of controller
- Offline (local on and off) feature supported with RFID for home use.
- Two 3.3kW Bharat AC and one 7.4kW Type-2 connector
- 20x4 Character LCD Display as well as TFT 4.3" LCD
- Secure web socket connection supported
- Over current, over voltage, under voltage
- Onboard Class 1 metering
- RFID support
- Earth fault detection
- OTA support
- Emergency Stop Interface



systems@bacancy.com

www.bacancysystems.com

9016028817

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Key Technical Specifications

Parameters	Specifications
Input Voltage	415 VAC+/-10% Three Phase
AC Input Connection	3P + N + PE
Frequency	50 Hz
AC Output Current	16Ax2 (IEC 60309) & 32Ax1 (IEC 62196-2)
Maximum Output Power	3.3 kWx2 (IEC 60309) & 7.4kWx1 (IEC 62196-2)
Connector Type	IEC 60309 Industrial Socket & Type 2 AC
Number of Connector	3
Display	20x4 Character LCD Display as well as optional - TFT 4.3" LCD supported (with external Add-on board)
Communication Network	GSM Modem (4G LTE fall-back to 2G) and Wi-Fi
Energy Measurement	Internal Metering supported
Dimension	L=188.50mm, B=150.60mm, H=30mm
Operating temperature	0°C to +70°C
Storage temperature	0°C to +70°C
Humidity	5 to 95%

Product Applications

- Helps to build a compact and rugged AC Charger ecosystem
- Commercial EV charging stations
- Residential Charging
- Public Parking Charging

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