



# E-MOBILITY SOLUTION



+91-9016028817



systems@bacancy.com



bacancysystems.com

# DC Charger Controllers



## CCS2 Charger Controller



480 kW

Configurable Capacity



CCS2 x2  
Type 2 x1  
Connector Compatibility

Connectivity

Ethernet | WiFi | LTE  
(fall back to 2G)

Standards : ISO 15118 | DIN 70121 | IEC 61851

Protocol : OCPP 1.6j Compatible

Features : Plug and Charge | Plug and Play | Vehicle to Grid  
: RFID and FOTA Supported  
: Retain Up to 100 Charging Sessions  
: Dynamic Load Balancing Supported  
: Supports Fully Customisable HMI Display

Dimension (LxBxH) : 210 x 120 x 59 mm

Application  

## LEVDC Charger Controller



12 kW

Configurable Capacity



Type 6 x2  
Supported Connector

Connectivity

Ethernet | WiFi | LTE  
(fall back to 2G)

Standards : IS 17017 (Part 2/Sec 6): 2021

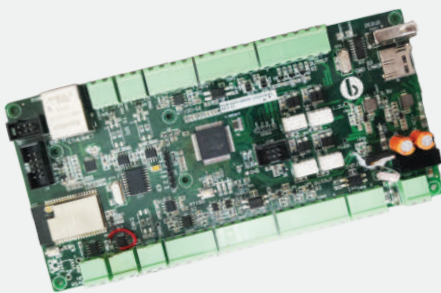
Protocol : OCPP 1.6j Compatible

Features : Compatible with E-Control Gun Locking System  
: RFID and FOTA Supported  
: Supports Fully Customisable HMI Display

Dimension (LxBxH) : 210 x 120 x 59 mm

Application  

## GB/T Charger Controller



20 kW

Configurable Capacity



GB/T 20234  
Supported Connector

Connectivity

Ethernet | WiFi | LTE  
(fall back to 2G)

Standards : BEVC-DC001 | GB/T 20234.3-2015

Protocol : OCPP 1.6j Compatible

Features : Compatible with E-Control Gun Locking System  
: RFID and FOTA Supported  
: Supports Fully Customisable HMI Display

Dimension (LxBxH) : 210 x 120 x 59 mm

Application  



+91-9016028817



systems@bacancy.com



bacancysystems.com

# Charger Peripherals



## Insulation Monitoring Device



0 VDC ↔ 1100 VDC

(0-1000 V DC Option Available)  
Monitoring Range

Insulation Monitoring  
Dual Channel

Configuration  
Time Delay, Trip Time  
Delay and Resistance  
Threshold Limit

**Standards** : ISO 61557-8 | IEC 61851-23

**Resistance Measurement Range** : Symmetric Faults: 20 kΩ to 1 MΩ (±5%)  
: Insulation Indicator: 1 MΩ  
: Symmetric & Asymmetric Faults: 20 kΩ to 200 kΩ (±5%)  
: Short Circuit: 0 to 2 kΩ

**Accuracy Setting** : 0 to 60 kΩ (±10%)  
: >60 kΩ (>±20%)

**Feature** : Dual Relays for Earth leakage Detection  
: +10% Calibrated Scale For Each Relay  
: No External Resistance Required

**Dimension (L X B X H)** : 110 X 105 X 48.55 mm

**Application** : Fast Charging Station | Battery Charger | Rectifier

## EV Simulator



120 kW ↔ 12kW to 30 kW

Configurable  
Capacity

CCS2 Type 6 GB/T20234

Supported Charger Connector

Interface

HMI  
7" TFT Resistive Touch Display

**Variants** : CCS2 | LEVDC | GB/T

**Standards** : ISO 15118 and DIN 70121 | IS 17017 and GB/T

**Features** : Fully Automatic EV Simulation  
: Three Modes: Quick Test, Regular Test and Charging Test  
: Test Report via USB  
: Rugged and Portable Case for Outdoor Use

**Dimension (LxBxH)** : 610 x 440 x 326 mm

**Application** : EVSE | R&D

## Power Module



Communication  
Protocol  
CAN

Cooling Method  
Fan

Input Protection  
Over & Under Voltage,  
and Short Circuit

**Variants** : 3kW | 20 kW | 30kW | 40kW

**Power Factor** : ≥ 0.99

**Total Harmonic Distortion (THD)** : 5%

**Current Range**: 50A | 80A | 120A | 134 A

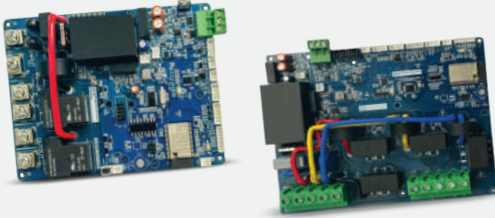
**Features** : Optimised Energy Conversion Efficiency  
: High and Low Voltage Electrical Isolation  
: Efficient Thermal Management

**Application** : Fast Charging Station | On-board Charger | Battery Charger

# AC Charger Controllers



## Type 2 Single Gun Charger Controller



7.4 kW ↔ 22 kW

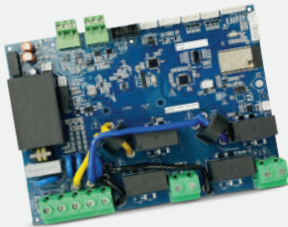
Configurable Capacity

Type 2  
Connector Compatibility

Connectivity  
WiFi | LTE  
(Fallback to 2G)

**Variants** : 7.4 kW | 22kW  
**Standards** : IEC61851 | IS17017 | IEC/EN 61000  
**Protocol** : OCPP 1.6j Compatible  
**Safety Protection** : Over Current, Over & Under Voltage, Short Circuit and Surge  
**Features** : RFID, Solenoid Lock and FOTA Supported  
: External Battery Backup  
: 4.3" Graphical LCD or 20x4 Character Display  
**Application** 

## Type 2 Dual Gun Charger Controller




15 kW ↔ 44 kW

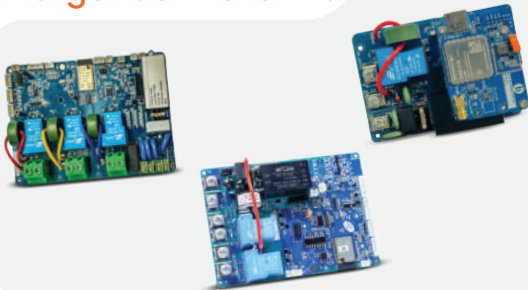
Configurable Capacity

Type 2 x2  
Connector Compatibility

Connectivity  
WiFi | LTE  
(Fallback to 2G)

**Variants** : 7.4 kW (Each Gun) | 22kW (Each Gun)  
**Standards** : IEC61851 | IS17017 | IEC/EN 61000  
**Protocol** : OCPP 1.6j Compatible  
**Safety Protection** : Over Current, Over & Under Voltage, Short Circuit and Surge  
**Features** : RFID, Solenoid Lock and FOTA Supported  
: External Battery Backup  
: 4.3" Graphical LCD or 20x4 Character Display  
**Application** 

## Bharat AC Charger Controller




3.3 kW ↔ 10 kW

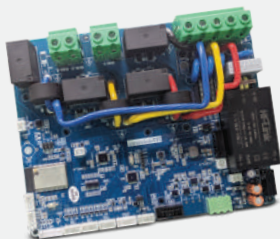
Configurable Capacity

IEC 60309  
Connector Compatibility

Connectivity  
WiFi | LTE  
(Fallback to 2G)

**Variants** : Single Socket | Single Socket with RFID | Three Socket  
**Standards** : IEC61851 | IS17017 | IEC/EN 61000  
**Protocol** : OCPP 1.6j Compatible  
**Safety Protection** : Over Current, Over & Under Voltage, Short Circuit and Surge  
**Features** : RFID and FOTA Supported  
: On Board Class-1 Energy Metering  
: 4.3" Graphical LCD or 20x4 Character Display  
**Application** 

## Hybrid AC Charger Controller




14 kW

Configurable Capacity

IEC 60309 Type 2  
Connector Compatibility

Connectivity  
WiFi | LTE  
(Fallback to 2G)

**Standards** : IEC61851 | IS17017 | IEC/EN 61000  
**Protocol** : OCPP 1.6j Compatible  
**Safety Protection** : Over Current, Over & Under Voltage, Short Circuit and Surge  
**Features** : RFID, Solenoid Lock and FOTA Supported  
: On Board Class-1 Energy Metering  
: 4.3" Graphical LCD or 20x4 Character Display  
**Application** 

## Rope Charger Controller



3.3 kW ↔ 7.4 kW

Configurable Capacity



Type 2 Connector Compatibility

Temperature Sensor  
NTC Thermistor, RCD and PT1000 External Support

Standards : IEC61851 | IS17017 | IEC/EN 61000

Display Protocol : SPI

Safety Protection : Over Current, Over & Under Voltage, Short Circuit, Earth Fault, and Surge

Safety : On Board Class-I Energy Metering  
: Configurable Current & Time Delay  
: RGB LED Module and 1.8" TFT Display

Application : Motorcycle, Car, Truck

# Battery Management Systems



## BMS 16s Series



8s ↔ 16s

Cell Monitoring Range

Supported Cell Chemistry  
NMC / NCM, LFP

Connectivity  
BLE 4.2 | WiFi | GSM / GPRS | LTE

Variants : 40A | 60A | 100A

Standards : AIS-156 Ammedament-3

Protocol : CAN (Wired)  
: MQTT (Machine to Machine)

Cell Balancing : Dissipative (Passive); Default Up to 150 mA, scalable on request

Safety Protection : Over/Under Cell Voltage, Over/Under Temperature (Charge & Discharge), Overcurrent (Charge & Discharge), Pack Over/Under Voltage and MOSFET Failure Notification

Features : Optimised Battery Usage & Performance  
: Accurate SoC and SoH Estimation  
: Cloud-Based BMS Analytics & Insights  
: Protection from Overheating, Overcharging, and Overdischarging

Application : Light Electric Vehicle | UAVs | ESE | Industrial Robotics

## BMS 22s Series



17s ↔ 22s

Cell Monitoring Range

Supported Cell Chemistry  
NMC / NCM, LFP

Connectivity  
BLE 4.2 | WiFi | GSM / GPRS | LTE

Variants : 40A | 60A

Standards : AIS-156 Ammedament-3

Protocol : CAN (Wired)  
: MQTT (Machine to Machine)

Cell Balancing : Dissipative (Passive); Default up to 150 mA, Scalable on Request

Safety Protection : Over/Under Cell Voltage, Over/Under Temperature (Charge & Discharge), Overcurrent (Charge & Discharge), Pack Over/Under Voltage and MOSFET Failure Notification

Features : Optimised Battery Usage & Performance  
: Accurate SoC and SoH Estimation  
: Cloud-Based BMS Analytics & Insights  
: Protection from Overheating, Overcharging, and Overdischarging

Application : Light Electric Vehicle | UAVs | ESE | Industrial Robotics



+91-9016028817



systems@bacancy.com



bacancysystems.com



**India (HQ)**

### **Corporate House**

15-16, Times Corporate Park, Thaltej,  
Ahmedabad, Gujarat 380059



**India**

### **Production House**

Plot No: 11/1, Factory No: 5  
Panchratan Estate Nr. Ramol Bridge,  
Vatva GIDC Phase-4, Ahmedabad-382445



+91-9016028817



systems@bacancy.com



bacancysystems.com