



E-MOBILITY SOLUTION



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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

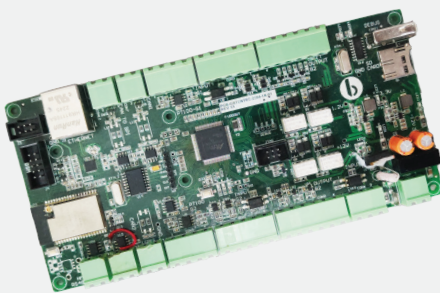
Protocol : OCPP 1.6j Compatible

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  



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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

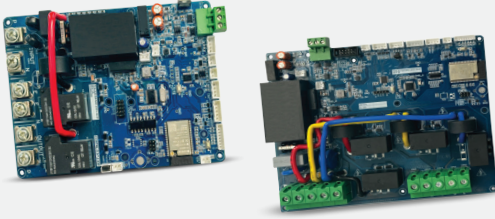
Features : Optimised Energy Conversion Efficiency
: High and Low Voltage Electrical Isolation
: Efficient Thermal Management

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

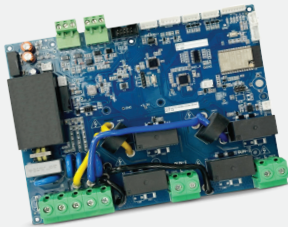
Protocol : OCPP 1.6j Compatible

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 Connector Compatibility

Connectivity

WiFi | LTE
(Fallback to 2G)


Variants : 7.4 kW (Each Gun) | 22kW (Each Gun)

Standards : IEC61851 | IS17017 | IEC/EN 61000

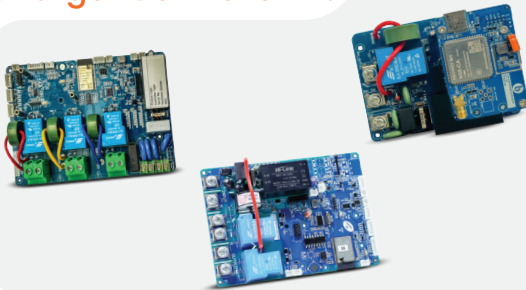
Protocol : OCPP 1.6j Compatible

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

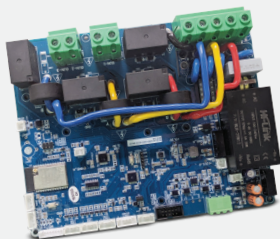
Protocol : OCPP 1.6j Compatible

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

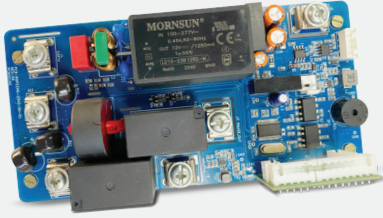
Protocol : OCPP 1.6j Compatible

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



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