

# AR40-204 BOOST CHARGER



Supplies up to 160kW Boost Charge from 50kVA Grid connection  
(Integrated battery capacity can be customised to accommodate higher Grid connection)

## Boost Charger

### Ultrafast EV Charging with Integrated Energy Storage

Arbarr now offer the AR40-204 Boost Charger an ultrafast DC charger for electric vehicles (EVs). The battery integrated design enables our Boost Charger to easily connect to existing electrical infrastructure without costly construction and complex permitting.

This Boost Charger has a 193kWh battery capacity with 204kW output and only 40kW or less input, making it ready for current and next generation EVs.



#### TURNKEY INSTALLATION

**Plug & Play:** Battery-integrated design connects to the existing low-voltage grid, enabling cost efficient installation in hours.

**Small Footprint:** Space efficient design means no unsightly and expensive electrical infrastructure.

**Lower Operating Costs:** Energy buffering technology limits input from the grid, reducing costly demand charges.

#### PREMIUM CHARGING

**Ultrafast Charging:** charges EVs up to 100 miles in 10 minutes.

**Dual Charging:** provides simultaneous charging that's universally compatible with all EV models

**Customizable Design**

**Customizable Design:** option for custom branded unit including point-of-sale integration for retailers

#### FUTURE-PROOF

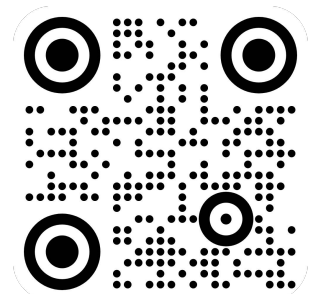
**Smart & Connected:** Integrated energy management software and OCPP communications compatible with any charging network

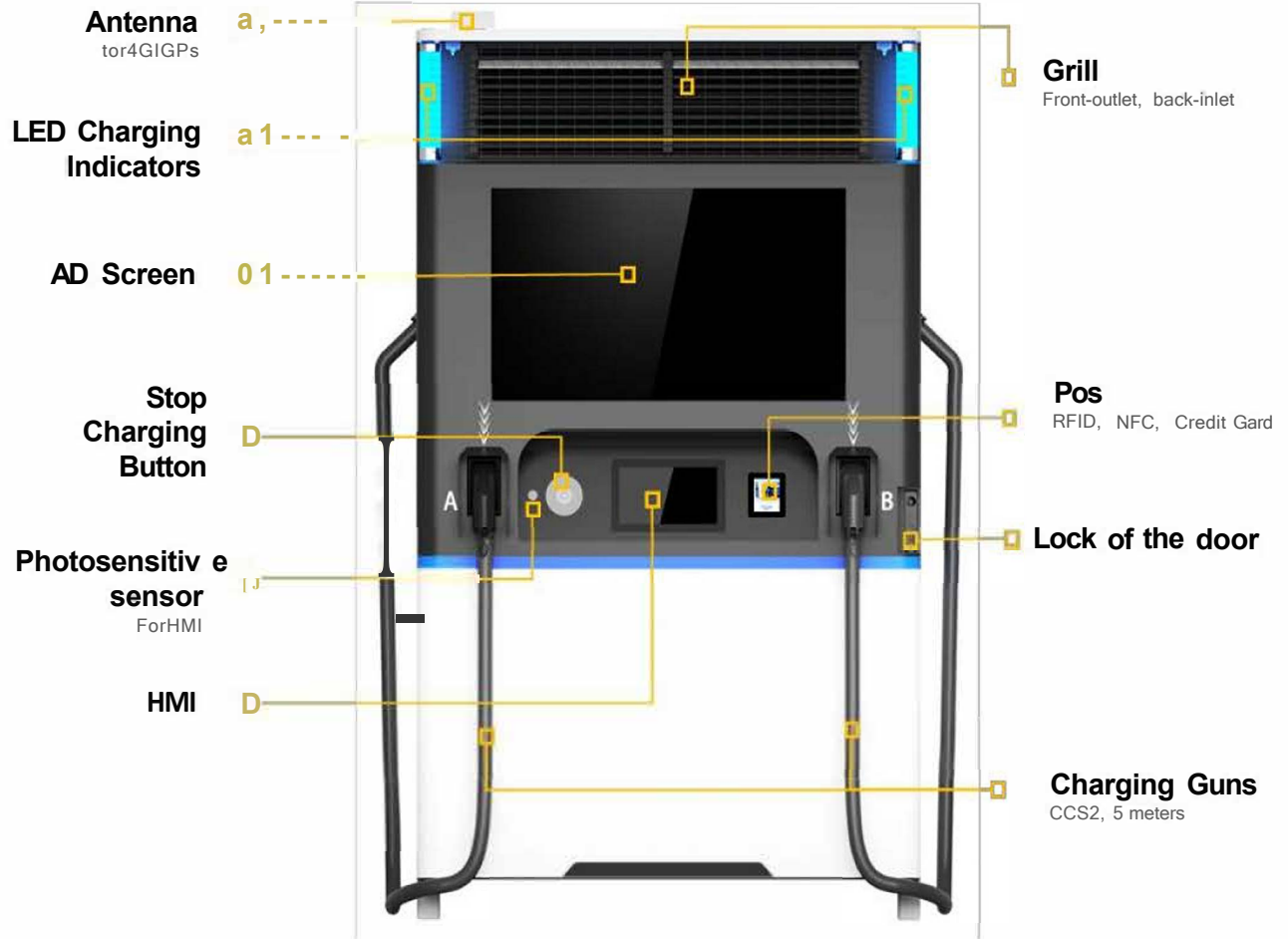
**Flexible Deployment:** easy to relocate depending on charging demand and site access limitations.

CONTACT US



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## ENERGY STORAGE

Energy Chemistry	Lithium iron phosphate battery
Energy Storage Capacity	193 kWh

## ELECTRICAL SPECIFICATIONS (OUTPUT)

Supported Connector Types	CCS2/GB/T
Charge Ports	2
Max Output Power (DC)	CCS/GB/T: 204 kW Combined: 1 connector maximum 160kw, 2 connector maximum 204kw
Max Output Current (DC)	250 A

## ELECTRICAL SPECIFICATIONS (INPUT)

Power (AC)	40 kW/50kVA
Voltage (AC)	3-phase 380 V
Frequency	50 Hz ± 1%

## MECHANICAL SPECIFICATIONS

Dimensions	1300*1100*2200mm
Cable Length from Station	500 cm (196")
Weight	2550 kg)

## Thermal Management System

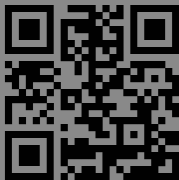
Battery Cooling	Liquid Cooling
Charging Cable	Natural Cooling
Power Module Cooling	Liquid Cooling)

## ENVIRONMENTAL SPECIFICATIONS

Installation Location	Outdoor
Enclosure Protection Rating	Overall IP54, Battery IP67
Operating & Storage Temperature	-20° C (-4° F) to +55° C (131° F)
System Round Trip Efficiency	> 90%*

## NETWORK & USER INTERACTION

Network Connection	4G LTE, Ethernet,wifi
Communications	OCPP 1.6-J
User Interface Screen	(43") ruggedized LED touchscreen
Credit Card Reader	Standard
Payment Methods Accepted	Credit cards, NFC, MIFARE, FeliCa
Access Control & Authentication	RFID: ISO 14443A/B, ISO 15693
Safety & Compliance	CE,UKCA



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