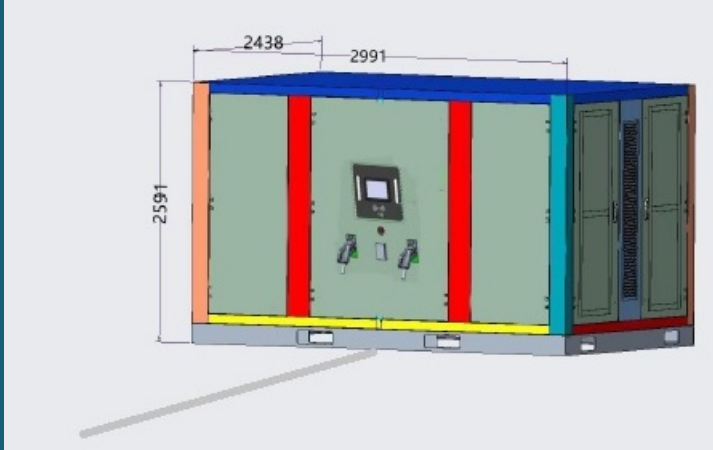# AR50-120 BOOST CHARGER HUB

Supplies up to 120kW Boost Charge from 50kW Grid connection
(Integrated battery capacity can be customised to accommodate higher Grid connection)

arbarr
ENERGY STORAGE SYSTEMS

AR50-120 EV-HUB Encompasses Future EV Charging Technologies

AR41145

FEATURES

85 Cars can be charged per Day (50kW Grid + 20kW Solar)

100km range in approx. 15 min charging time

4 Cars together (30kW + 30kW + 30kW + 30kW)

2 Cars together (60kW + 60kW)

1 Car charging (60kw)

Integrated Fire Protection system

Integrated HVAC system

Grid + Solar input

Nayax - Supporting Apple pay, Google pay, Most Debit and credit cards

BOOST CHARGING

5 YEAR / 30,000 HOUR WARRANTY

FOUR CAR CHARGING

CCS/CHAdeMO CONNECTOR

CONTACTLESS PAYMENTS

COMMERCIAL CHARGING
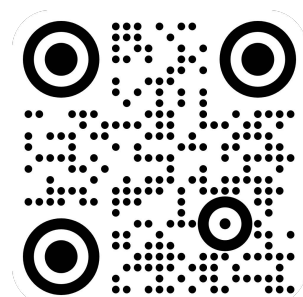

OCPP1.6J Support

- ✓ Optimise number of chargers in limited space / grid connections.
- ✓ Avoid expensive installation and service costs.
- ✓ Customised payment solutions to improve end user experience.
- ✓ Local support and maintenance provision.
- ✓ Stock available to meet customer deliveries in a reasonable time frame.
- ✓ Customised enclosures to match current environment.
- ✓ Own brand options available.

ANDROID APP ON Google play   Download on the App Store

CONTACT US ›

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Northern Ireland
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Input & Output - Input from 50kW upwards - Output as below or option to customise

Input Power	Power grid 50kVA / Solar
Input voltage	300-440V AC
Input frequency	50/60HZ
DC outlet type	CCS2
Output voltage	200-1000V DC
Max. output power	120KW
Max. output current	150A
Voltage accuracy	<±0.5%
Current accuracy	≥30A ≤±1% ; <30A: ≤ ±0.3A
Ripple coefficient	RMS: ±0.5%;Peak: ≤±1%
Meeting accuracy	0.5%
Efficiency	≥94%
Cable Length	6m

Input - 50kW Grid / Renewables

Protection

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓

Up to 60 kW charging capacity in single CCS2
Low-noise charging
Forced Air charging cable
Integrated 10 -inch touch-screen

Function & Accessory

Display	10 inch screen
Ethernet/WIFI/4G	Yes/Opt/Opt
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Emergency stop button	✓
Intelligent power adjustment	Opt.
RFID	✓

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Working Environment

Protection degree	IP54
Environment temperature	-30ºC~+50ºC
Relative humidity	5%-95% non-condensing
Cooling	Forced Air cooling
Standby power consumption	<30W
Noise emission	≤65db
IK Rating	IK10

INVESTORS IN PEOPLE

Mechanical

Dimension (W/H/D)	2991*2438*2591mm
Weight	2500KG

Mounting & Accessories

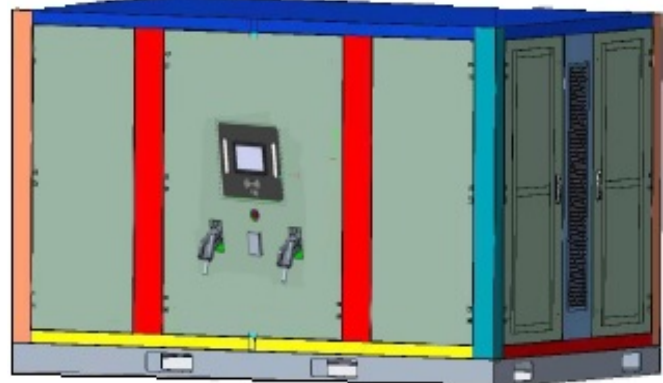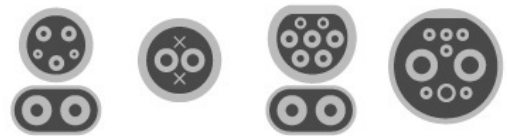| Floor-mounting	Standard
Recommended base size	TBC/TBC/TBCmm

Certifications

CE, UKCA	✓
EN 61000-6-2, EN 61000-6-4 EN 62196, EN 61851	✓