

Energy Bar[®] QC24S

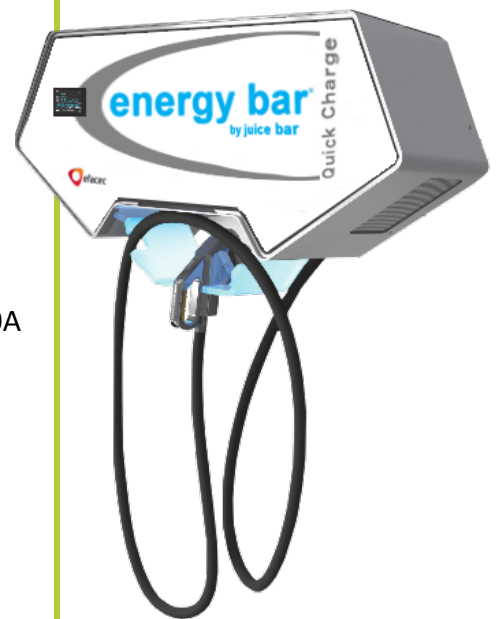
Quick Charge Station - DC Power up to 24kW

PREMIUM ELECTRIC VEHICLE CHARGING PRODUCT & EXPERIENCE

Overview

The Energy Bar QC24S can be used to charge all CCS compatible electric vehicles. Users only need to plug the charging connector into the vehicle, and the Station will immediately start the charging process.

- Single output – CCS
- Fast charge any CCS vehicle
- 24 kW DC output
- Input 240VAC, 1 phase at 130A or 208VAC 3 phase at 90A
- 0 to 80% in less than 1 hour
- Safe and intuitive to use
- Status LED
- 4.3" Color Display
- Customizable front end (for branding or advertising)
- Network integration – OCPP Protocol
- Optional Cellular Modem



KEY FEATURES

- Small and compact
- Stand alone or network integrated charger
- Local or remote monitoring and control
- DC power up to 24 kW
- High efficiency >94%
- High power factor 0.99

Fast Charging

Cost Effective

Easy to Install

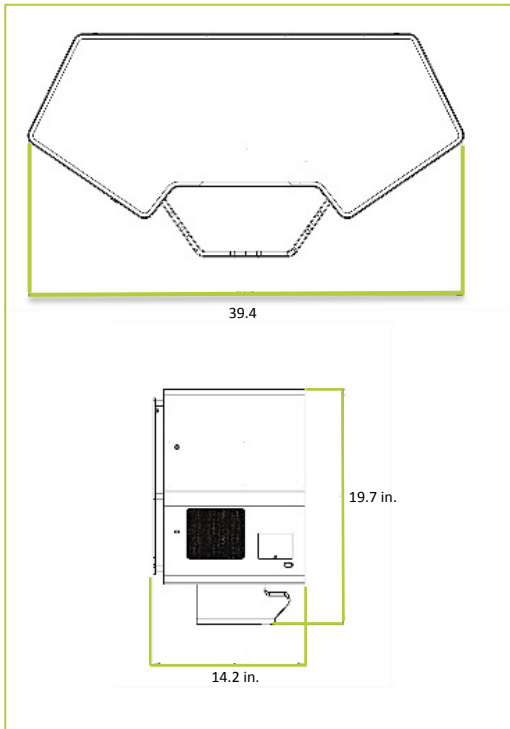
User Friendly

APPLICATIONS

- Car Share, Taxi and Rent-a Car fleets
- EV dealers and service providers
- EV fleets (private & public)
- Shopping Centers
- Private EV Infrastructure & Operators

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Configurations



Technical Data	ETL
3 phases	
Phases/Lines	3 phases + PE
Voltage	(208 ± 10%) V a.c.
Current	71 A
Single Phase	
Phases/Lines	1 phase 2 wire + PE
Voltage	(240 ± 10%) V a.c.
Current	106 A
Nominal Input	
Power (max. value @ 24kW output)	25.5 kW
Frequency	(60 ± 10%) Hz
Efficiency	> 94%
Power Factor	0.99 @ full load; 0.98 @ half load
THD Input Current	Less than 5% @ full load Less than 10% @ half load
DC Output: CCS	
Voltage	(260 to 425) V d.c.
Current	60 A d.c. (@ 400V d.c.)
Nominal Power	24 kW (adjustable up to this)
Communications with EV	PLC
Plug	CCS - Type 1
Insulation	
Input / Output / Ground	2800 V a.c.
Control Circuit / Ground	500 V a.c.
Cabinet	
Dimensions (WxDxH)	39.4 x 14.2 x 19.7 inches
Weight	132 pounds
Protection Degree	IP54, IK10, NEMA 3R
HMI and Command Unit	
Contactless card specification	Mifare Classic 1K&4K, DesFire EV1 (Others under request)
Local interface	RFID; Button; LED's
Communication	Web Services over IP; Router 3G (GSM or CDMA)
Protocol (others under request)	OCPP
Emergency STOP	Yes
Environment Conditions	
Temperature range	-13° to +104° F
Humidity range	5% to 90%
Place of installation	Indoor / Outdoor
Altitude	Up to 3280 feet
Noise Level	<55 dB in all directions

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N° 29/520,113

