



Mobile KEYWATT DC Fast Chargers



Overview

- > 9,5/19kW (Trolley) / 50kW (Cube) DC universal charger
- > Movable (on wheels)
- > All cables interchangeable via Harting connector
- > No installation required
- > Easy connection to power networks
- > 4 LEDs + VFD display for charge monitoring
- > Ethernet, USB and CAN connectors
- > Easy selection of EV charging protocol



Fast
charging



Easily
Movable



Interchangeable
Cables



Installation
free



Easily
upgradeable

Available charging protocols



Combo 1 Combo 2 CHAdeMO GB/T

Main applications

- > Car OEM R&D Labs
- > EV Manufacturing Lines
- > Car Dealerships
- > Car Service Centers

Main features

Easy to move, easy to connect, the Trolley and the Cube solutions are perfect for daily use in changing environments. Thanks to their Harting connector, their protocol cable can be changed in a matter of minutes, from Combo to CHAdeMO to GB interfaces. Built from years of experience of IES mastering EV protocols, they provide a solid solution for testing new EV cars in development at car manufacturers. Dependable, they are also used to charge batteries at end of EV manufacturing lines. Easily connected to AC Mains without complex installation, they are also well suited for use at car dealerships and service centers.

Trolley (9,5kW or 19 kW)

INPUT
Voltage : 380V-480VAC 50/60Hz 3 Phase (3P + Ground)
Nominal input current : 16A (9,5kW) or 32 A (19 kW)
Power factor : > 0,93
Efficiency : 94%
OUTPUT
Voltage : 200VDC to 500 VDC
Current : 1 to 30A (9,5 kW) / 1 to 60 A (19 kW)
Max output power : 9,5kW or 19 kW
GB / COMBO (1 or 2) or CHAdeMO cable
Cable length: 4 meters
USER INTERFACE
2 x 20 characters VFD display
Start / Stop buttons with LED indicators
MECHANICAL FEATURES
Dimensions : H 945 x I 570 x W 445
Weight : 60kg
IP level : IP54
HARDWARE PROTECTIONS
Circuit breaker + Emergency button
Short-circuit, overvoltage/temperature, reverse polarity
High frequency isolation transformer
OPERATING TEMPERATURE
Temperature: -25°C to +50°C (derating above +30°C)
Relative Humidity: 10% to 95%

Communication

Multistandard vehicle interface:

- CAN (CHAdeMO and GB standards)
- PLC GreenPhy / Control Pilot (COMBO)

Supervision capability:

- Software updating capability
- RS232
- LAN/TCP-IP / USB on request



Car OEM R&D Labs



EV Manufacturing Lines



Car Service Centers



Car Dealerships

Cube (50 kW)

INPUT
Voltage : 380V-480VAC 50/60Hz 3 Phase (3P + Ground)
Nominal input current : 80 A
Power factor : > 0,93
Efficiency : 94%
OUTPUT
Voltage: 200VDC to 500VDC
Current: 1 to 125 A (CE version) / 1 to 100 A (UL version)
Max output power: 50kW
COMBO (1 or 2), CHAdeMO or GB2015 cable
Cable length: 6 meters (GB 5 meters)
USER INTERFACE
2 x 20 characters VFD display
Start / Stop buttons with LED indicators
MECHANICAL FEATURES
Dimensions: H 550 x I 600 x W 840
Weight: 150kg
IP level: IP20 (indoor use only)
HARDWARE PROTECTIONS
Circuit breaker + Emergency button
Short-circuit, overvoltage/temperature, reverse polarity
High frequency isolation transformer
OPERATING TEMPERATURE
Temperature: -25°C to +50°C (derating above +40°C)
Relative Humidity: 10% to 95%

Standard compliance

- EMC Directive 2014/30/EU (On-going for Cube)
- LVD Directive 2014/35/EU (On-going for Cube)
- UL2022 / UL2231-1/2 (Cube only)
- CAN/CSA C22.2 (Cube only)
- Charge: ISO15118 / DIN70121 / New GB/T 2015

