

SMART CHARGERS

EARTH·EV

A premium, high-performance wall charger

Smart and simple.

Charger Components

DESCRIPTION	FUNCTION
Plastic Casing	Protective / lightweight / UV-resistant casing to protect inner workings from the elements
RFID Area Identification	For multi-user setups, drivers can swipe RFID an card to authenticate and begin charging
Touch Button	Start or stop charging, located on front plate
Round Light Bar	Charging instructions
LED Light Strip	Charging status indicator
Tether	Charger cable (TPU)
Current Transformers (CT)	1x single phase, 3x 3-phase
L1 / N / PE Incoming Line	Power incoming line

Product Specifications

DESCRIPTION	7KW MODEL	22KW MODEL
Dimensions *Tethered version*	*Height* 388.45mm *Width* 202.45mm *Width* 107.26mm *Weight* 4kg *Tether* 5 metre type 2	*Height* 388.45mm *Width* 202.45mm *Depth* 107.26mm *Weight* 5kg *Tether* 5 metre type 2
Dimensions *Socket version*	*Height* 388.45mm *Width* 202.45mm *Depth* 116mm *Weight* 2.4kg Type 2 socket	*Height* 388.45mm *Width* 202.45mm *Depth* 116mm *Weight* 2.6kg *Tether* 2 socket
Packaging *Tethered version*	*Height* 455mm / *Width* 260mm / *Width* 230mm	
Packaging *Socket version*	*Height* 455mm / *Width* 260mm / *Width* 150mm	

Power and Safety

DESCRIPTION	7KW MODEL	22KW MODEL
AC Power	1Ø + N + PE	3Ø + N +PE
Rated Voltage	230V AC / 50 / 60Hz	400V AC / 50 / 60Hz
Rated Current	32A	
Safety Protection	TypeA (30mA) + DC 6mA built-in / over current protection / over voltage protection / under voltage protection / over temperature protection / leakage protection / [TK]	
Applicable Standards	IEC61851 / IEC62196 / IEC62955 / RCM compliant	

Environmental Conditions

DESCRIPTION	RATED FOR
Dust and Water Resistance	IP55
Operating Temperature	-30°C to 50°C (-40°C to 75°C in storage)
Maximum humidity	95% RH, no water droplet condensation
Altitude	> 2,000m

Connectivity and Controls

FEATURE	DESCRIPTION
Charging control	Earth EV App / RFID access / Plug and Charge
Communication	OCPP 1.6J Wi-Fi / Bluetooth / LAN standard / 4G optional
Wi-Fit	*Signal* **2.402GHz – 2.483GHz**
	Modulation **-**
	Maximum Transmitter Power **-** *11b* **19dBm** *11g* **16dBm** *11n* **15dBm**
	Antenna Gain **2.0dBi**
	Antenna Configuration **1Tx1R**
Bluetooth	*Signal* **-**
	Modulation **GFSK**
	Maximum Transmitter Power **10dBm**
	Antenna Gain **2.0dBi**
	Antenna Configuration **1Tx1R**