EV Charging Solution

AC Charger / AC MAX - Smart

Flexible 22 kW AC platform to cater for diverse charging application requirements

Low standby power consumption for energy-saving

Compact design with robust enclosure for indoor and outdoor environment

Commercial Building

Parking

Residential Area

info@infogroupglobal.com

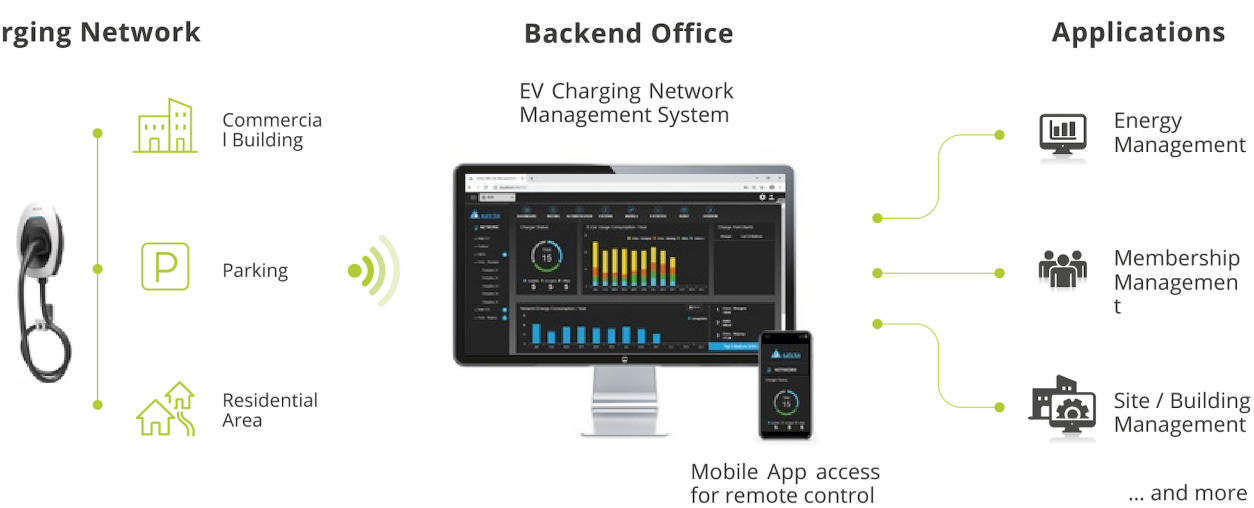
Excelsiorlaan 1, 1930
Zaventem / Belgium

infogroupglobal.com/energy

Compact and Powerful - Liven up Home Charging

The Delta AC MAX Smart combines efficient 3-phase charging of up to 22 kW with Ethernet and WLAN interfaces to cater for a wide range of applications. The Delta AC MAX Smart can easily be connected to your existing network for energy management and business integration purposes. No LAN available? No problem! Every AC MAX Smart is equipped with an internal cellular modem. The plug-and-play design reduces installation and commissioning time. By supporting Over-the-Air (OTA) firmware update via WLAN the Delta AC MAX Smart is the future-proof AC charging solution for advanced residential and commercial charging applications.

Application Scenario



Feature Highlights

22 kW

AC charger to optimize charging activity

Three phase charging with 22 kW output power
Extremely low standby power for energy-saving and cost optimization

Complete system integration for better charging services

OCPP protocol and network connectivity
Interoperate with related business, service, and 3rd party applications

Compact design with robust enclosure

Compact design：218 × 371 × 167 mm
All-weather protection：IP55 / IK09
Optional wall mount or pedestal mount

Product at a Glance

Network Connectivity
Bluetooth, Ethernet, Cellular, WLAN

Charging Interface
IEC 62196-2 Type 2

User Authentication
RFID reader

Wiring
Bottom feed, Rear feed

Specifications

Part Number	AC MAX Smart
Power Input	**3.7 kW / 11 kW7.4 kW / 22 kW**
Nominal Current	16 A32 A
Grid Connection	Single-phase electric power (L1, N, PE) Three-phase electric power (L1, L2, L3, N, PE) All AC MAX BASIC models support both single phase and three phase installations
AC Voltage	230 V / 400 V
Frequency	50 Hz / 60 Hz
Grounding Systems	TN, TT, IT
Terminal	Terminal block
Protection	Over current, Under voltage, Over voltage, Over temperature, Surge protection, Short circuit, Ground fault < 10 W
Charging Output	
Nominal Power	Single-phase: 3.7 kW, Three-phase: 11 kWSingle-phase: 7.4 kW, Three-phase: 22 kW
Nominal Current	16 A per phase32 A per phase
Connector Type	AC Type 2 PlugAC Type 2 Plug, AC Type 2 Socket, AC Type 2 Socket with shutter
Charging Voltage	230 V / 400 V
Cable Length	5 m (models with AC Type 2 Plug charging interface)
Protection	RCD Type A (AC 30 mA), RDC-DD (DC 6 mA)
Compliance	IEC 61851-1, IEC 62196-2, IEC61008-1, IEC 62955
User Interface	
Display	Status LED, 4 colors
Authentication	RFID (ISO/IEC 1443 A/B)
Charger Configuration	Maximum charging current selectable by 8-step hardware DIP switch
Network Interface	
Bluetooth	
Protocols and Applications	Configuration, control, monitoring and firmware update
Cellular	
Cellular Technology	2G / 3G / 4G
SIM Card Format	Micro-SIM (15 mm x 12 mm)
Protocols and Applications	Backend Connection via OCPP 1.6 (tested with OCTT)
Local Area Network	
LAN Technology	Ethernet (RJ45) and WLAN
Protocols and Applications	Backend Connection via OCPP 1.6 (tested with OCTT), ModBus TCP for energy management
Mechanical Properties	
Ingress Protection (IEC 60529)	IP55
Impact Protection (IEC 62262)	IK09
Cooling	Natural convection
Dimensions* (W x H x D)	218 × 371 × 167 mm (8.6 × 14.6 × 6.6 inch)
Weight*	6.0 kg (13.3 lbs), including charging cable
Environmental Conditions	
Operating Temperature Range	- 30 °C to + 50 °C (- 22 °F to + 122 °F)
Storage Temperature Range	- 40 °C to + 80 °C (- 40 °F to + 176 °F)
Humidity	< 95 % relative humidity, non-condensing
Altitude	Up to 2,000 m (6,500 ft.)
Compliance	
EU Low Voltage Directive	IEC 61851-1, IEC 62479
EU EMI Directive	EN 61000-3-11 / -12, IEC 61851-21-2

* Product outlook depends on model configuration. Specifications are subject to change without notice.