

# Power supply equipment for Electric Vehicles ELMotion Power 22



## Main features

Product name	Power supply equipment for Electric Vehicles ELMotion Power 7-22
Type / model	EAVE7-22C / code RS 82082-004C
Scope	The equipment is intended for power supply in alternative current of the electric vehicles (VE)
Connection type	mono-phase (1P+N+PE) or three-phase (3P+N+PE)
Installation type	On the wall or pillar
Maximum charging power	22kW at 32A
Charging current limitation by signalling	6...32A
Number of the charging points	1
Connection to vehicle	Cable with plug Type 2
Access control	without or with RFID card

## Electric data

Supply source	Charging power
380Vac-415V <sub>ac</sub> , 50Hz/60Hz	see table

## Technical information

Connection to the mains	380...415V <sub>ac</sub> 50/60Hz, 13A, 16A, 20A, 32A	
Supplying scheme	TN-S (L1, N, PE) mono-phase, TN-S (L1, L2, L3, N, PE three-phase)	
Number of inlets	1	
Control types	Without	
Sizes	[230x280x100] mm	
Weight	4 kg	
Colour	grey	
Standards	SR EN 61851-1	Conductive charging system for electric vehicles
	SR EN 62196-1	Plugs, sockets, connectors and mobile sockets for
	SR EN 62196-2	Dimensional requirements concerning compatibility and interchangeability for c.a. Connectors and sockets
	STAS 3184/3-85	Schuko household socket
Product certification	CE	
Means of communication	Modbus RTU/RS 485	Data and controls exchange
	With the vehicle	By the charging cable In accordance with

## Mechanics and the environment

Casing	polycarbonate	
Protection against infiltration	IP54	In accordance with SR EN 60529
Protection against impact	IK10	In accordance with SR EN 62262
Operating temperature	-25...50°C	

Storage temperature	-40...80°C
Relative humidity	5...95 %
Cooling	natural

### **Protection and control**

Overcurrent and short-circuit	in distribution panel depending on power max. 32A
Residual current	30mA/AC and 6mA/DC type B with automatic reconnection

### **Charging modes**

Mode 3	[380-415] V <sub>ac</sub> , 13A, 16A, 20A, 32A	Cable with plug Type 2
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### **Options**

Can be configurated for maximum 22kW at 32A three-phase
RFID card validation