



2360 Clark St. Unit C
Apopka, FL 32703
321-396-0367
chargerigs.com

OMEGA DC Fast Chargers



NO.	Parameters	Requirements
General Requirements		
1	EV charger Type	DC
2	Charger Capacity	60kW/80kW/100kW/120kW/160kW/180kW/240kW
3	Dimensions	7' tall x 42" wide x 34" deep
4	Mounting	Ground-mounted
Input Requirements		
5	AC Supply System	Three-Phase AC system
6	Nominal Input voltage	AC400V ± 15%/AC260-530V
7	Input frequency	45-65Hz
Environmental Requirements		
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage temperature	-40 to 70°C
Mechanical Requirements		
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Charging Cable Length	18'/23'
14	Cable Management	Spring Gear Retractor
Output Requirements		
15	Number of outputs	2
16	Type of each output	DC200-1000V
17	Single Output Max Current	300 Amp
18	Power Factor	≥0.99(50% load above)
User Interface & Display Requirements		
19	Display & touch-screen size	12 Inches Touch Screen with Shell
20	User Authentication	QR Code/RFID Card /Password Login
21	Metering Information	Consumption Units
Communication Requirements		
22	Communication between EVSE and Central Server	OCPP 1.6J; OCPP 2.0.1
23	Interface between Charger and CMS	Ethernet/3G/4G/WIFI
Protection & Safety Requirements		
24	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, CHAdeMO GB/T20234
25	Regulations	ETL; UL (Connectors & Cables only);
26	Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.