



Powering
THE FUTURE OF E-MOBILITY
WITH ADVANCED EV CHARGING SOLUTIONS

Clean Energy.
Smarter Mobility.
Greener Tomorrow.



Wide Range
of AC & DC Chargers



Safe & Reliable



Fast & Efficient
Charging



Sustainable
Mobility

TECHNICAL SPECIFICATIONS

3.3kW & AC001 (3X3.3kW) AC EV Charger

POWER SPECIFICATIONS		
PARAMETERS	AC001	3.3KW
Power Rating	10kW	3.3kW
Input Voltage	415 Vac $\pm$ 10% (3P+N+PE)	230 Vac $\pm$ 10% (L-N+PE)
Input Frequency	50 $\pm$ 1% Hz	50 $\pm$ 1% Hz
No. of Output	3	1
Current Output	16A max / Output	16A max / Output
Output Connector	3x3.3kW (IEC 60309 / Domestic)	1x3.3kW (IEC 60309) or 16A Domestic Socket

USER INTERFACE & CONTROL	
Display & LEDs	20x4 LCD (Optional) / 4.3" Graphical LCD Display LED indication for charging / faulty modes
User Authentication	RFID + OCPPv1.6 (Mobile App by CMS provider)
Metering & Billing	Class 1 Energy Metering

COMMUNICATION & PROTECTIONS	
Communication	Charging Operation: RFID / QR CODE / Mobile CMS App (OCPP v1.6) Network: 4G, LAN, Wi-Fi (OCPP v1.6)
Protections	Over current, under current, under voltage, over voltage, on-board surge protection, Ground fault protection, emergency shutdown with alarm
Cooling & Emergency	Cooling: Natural cooling Emergency Stop: Mushroom push button

MECHANICAL & ENVIRONMENTAL	
Mechanical	Enclosure with IP55, Safety Lock Wall / Pole Mount Dimensions: 332mm $\times$ 249mm $\times$ 162mm (L $\times$ W $\times$ D)
Environment	Ambient Temp: 0°C to 55°C Storage Temp: -20°C to 85°C Altitude: 2000 m Humidity: 5% to 95%

Application: E2W, E3W (Residential, Workplace, Fleet, Hub, Hotel, Mall, Parking, etc.)

CHARACTERISTICS (AC TYPE II) - POWER SPECIFICATIONS

POWER RATING	14.8KW	7.4KW	11KW	22KW
Input Voltage	415 Vac $\pm$ 10% (3P+N+PE)	230 Vac $\pm$ 10% (L-N+PE)	415 Vac $\pm$ 10% (3P+N+PE)	415 Vac $\pm$ 10% (3P+N+PE)
Input Frequency	50 $\pm$ 1% Hz	50 $\pm$ 1% Hz	50 $\pm$ 1% Hz	50 $\pm$ 1% Hz
No. of Output	2	1	1	1
Current Output	32A max / Output	16A Max / phase	32A Max / phase	32A max
Output Connector	2 x IEC 62196 Type 2	1 x IEC 62196 Type 2	1x IEC-62196-2 Type 2	1x IEC-62196-2 Type 2

USER INTERFACE & CONTROL

Display & LEDs	20x4 LCD Display / 4.3" HMI Graphical LCD Display (Optional) LED indication for charging / faulty modes
User Authentication	RFID + OCPPv1.6 (Mobile App)
Metering & Billing	Class 1 Energy Metering

COMMUNICATION & PROTECTIONS

Communication	Charging Operation: RFID / QR CODE / Mobile CMS App (OCPP v1.6) Network: 4G, LAN, Wi-Fi (OCPP v1.6)
Protections	Over current, under voltage, over voltage, residual current, surge protection, short circuit, ground fault protection, emergency shutdown with alarm, over temperature, protection against electric shock
Cooling & Emergency	Cooling: Natural cooling Emergency Stop: Mushroom push button

MECHANICAL & ENVIRONMENTAL

Mechanical	Enclosure with IP55, Safety Lock Mounting: Wall / Pole Mount
Environment	Ambient Temp: 0°C to 55°C Storage Temp: -20°C to 85°C Altitude: 2000 m Humidity: 5% to 95%

Application: E2W, E3W (Residential, Workplace, Fleet, Hub, Hotel, Mall, Parking, etc.)

TECHNICAL SPECIFICATIONS

DC Fast Chargers (30kW, 60kW, 120kW, 240kW)

CHARACTERISTICS - DC FAST CHARGERS

POWER RATING	60KW	120KW	240KW	30KW
Model No.	VC-60-DC-CCS2-2G	VC-120-DC-CCS2-2G	VC-240-DC-CCS2-2G	VC-30-DC-CCS2-1G
Input Voltage	415 Vac $\pm$ 10% (3P+N+PE)	415 Vac $\pm$ 10% (3P+N+PE)	415 Vac $\pm$ 10% (3P+N+PE)	415 Vac $\pm$ 10% (3P+N+PE)
Input Frequency	50Hz ($\pm$ 5%)	50Hz ($\pm$ 5%)	50Hz ($\pm$ 5%)	50Hz ($\pm$ 5%)
No. of Output	2	2	2	1
Current Output	150A	200A	250A	80A
Output Connector	CCS2 + CCS2	CCS2 + CCS2	CCS2 + CCS2	CCS2
Upgradable Option	Up to 120kW	Up to 180kW	N/A	N/A
Dynamic Load Sharing	Available	Available	Available	N/A

USER INTERFACE & CONTROL

Display & LEDs	7" TFT LCD Touch Screen LED indication for charging / faulty modes
User Authentication	Mobile Application / User Interface / QR Code / RFID Card
Metering & Billing	Class 1 Energy Metering

COMMUNICATION & PROTECTIONS

Communication	Charging Operation: RFID / QR CODE / Mobile CMS App (OCPP v1.6) Network: 4G, LAN, Wi-Fi, Ethernet (Standard)
Protections	Over Current, Under Voltage, Over Voltage, Over Temperature, Residual Current ($>30\text{mA}/\text{Type A}$), Surge Protection (Integrated - IEC 61000-4-5), Short Circuit, Ground Fault Protection, Emergency Shutdown with Alarm, Auto-derating, Input Phase Reversal, Phase Failure, Neutral Loss, Insulation Fault, Charge Cable Temp Detection
Cooling & Emergency	Cooling: Forced Air Cooling Emergency Stop: Mushroom push button

MECHANICAL & ENVIRONMENTAL

Mechanical	IP54 acc. IEC60529, Safety Lock Mounting: Floor Mount Site: Indoor / Outdoor
Environment	Ambient Temp: 0°C to 55°C Storage Temp: -20°C to 70°C Altitude: $<2000\text{m}$ Humidity: 5% to 95%

Applications: E4W (Hubs / CPO, Govt. offices, Residential, Workplace, Fleet, Hotel, Mall, Parking, etc.)

CHARACTERISTICS - LEVDC & LECCS CHARGERS

POWER RATING	3KW	6KW	12KW
Input Voltage	230 Vac $\pm$ 10% (L-N-PE)	230 Vac $\pm$ 10% (L-N-PE)	415 Vac $\pm$ 10% (3P+N+PE)
Input Frequency	50Hz ($\pm$ 2Hz)	50Hz ($\pm$ 2Hz)	50Hz ($\pm$ 2Hz)
No. of Output	1	1 or 2	2
Current Output	50A	50A (Max for single Gun)	100A
Output Connector	Type-6 or Type-7	Both Type-6 / Both Type-7 / Type-6 & Type-7	Type-6 / Type-7

USER INTERFACE & CONTROL

Display & LEDs	4" TFT LCD / 7" TFT LCD Touch Screen LED indication for charging / faulty modes
User Authentication	Mobile Application / User Interface / QR Code / RFID Card / Password Login
Metering & Billing	Class 1 Energy Metering

COMMUNICATION & PROTECTIONS

Communication	Charging Operation: Mobile App / User Interface / QR Code / RFID Card / Password Login Network: 4G, LAN, Wi-Fi, Ethernet (Standard)
Protections	Over Current, Under Voltage, Over Voltage, Over Temperature, Surge Protection, Short Circuit, Ground Fault Protection, Emergency Shutdown with Alarm, Polarity Reverse Protection, Insulating Monitoring Leakage Protection, Charge Cable Temp Detection
Cooling & Emergency	Cooling: Forced Air Cooling Emergency Stop: Mushroom push button

MECHANICAL & ENVIRONMENTAL

Mechanical	Enclosure with IP54 Mounting: Wall / Stand Mount
Environment	Ambient Temp: 0°C to 55°C Storage Temp: -20°C to 85°C Altitude: <2000m Humidity: 5% to 95%

Applications: E4W (Hubs / CPO, Govt. offices, Residential, Workplace, Fleet, Hotel, Mall, Parking, etc.)



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Valvanta Charge is committed to delivering advanced, reliable and efficient EV charging solutions that empower businesses, communities and individuals to embrace sustainable mobility.



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