



Universal Electric Vehicle AC Charging Solution for Buildings, Housing Societies & Communities



ChargeGrid *pro*



UNIVERSAL AC COMMUNITY CHARGER

chargegrid pro



IEC Socket Option

The new ChargeGrid Pro AC Charger is part of an innovative electric vehicle community charging solution for residential and commercial use which is now **mandatory as per Model Building Bye-Laws**.

This solution combines the advantages of **easy installation, simple commissioning and made for Indian power conditions**.

Industry-leading features come standard with the ChargeGrid AC Charger, including integrated wireless monitoring and datalogging via ChargeGrid's online and mobile platform, which means no dedicated personnel are required for operations or collections – **so one parking lot can serve multiple users**.

ChargeGrid is the only solution available for Indian EV charging requirements – full function, universal, efficient, low operational cost and streamlined.

UNIVERSAL

- AC Charger for 2/3/4 Wheelers
- Fully automatic, no personnel required

EFFICIENT

- Max. efficiency 98%
- Superior power density
- Payment gateway enabled

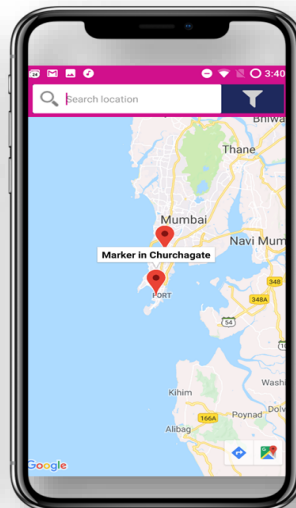
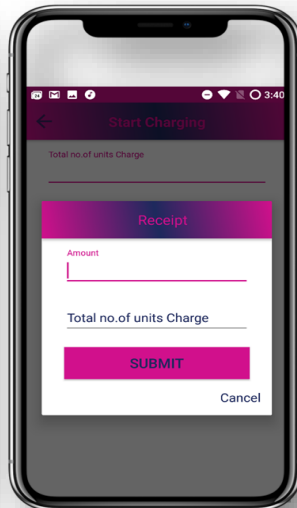
RELIABLE

- Light-weight and Compact
- Wireless control unit
- Industry leading features
- Easy mounting



FULL FUNCTION

- Community charger - single parking and charger with multi user concept
- Built in line with government regulations for buildings and societies

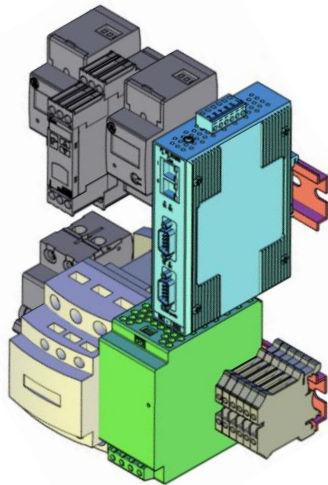
FULL FEATURE APP INCLUDED



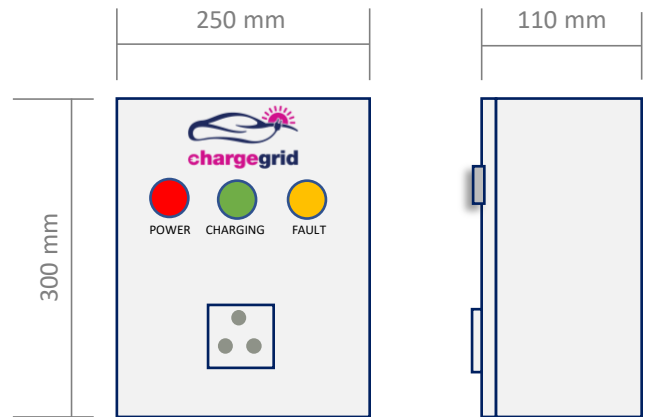
DATASHEET
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Power Input	Input Rating	208-240VAC Single Phase 16A 50Hz
	Connections & Wiring	Line, Neutral and Ground, hardwired to terminal block
	No. of Connections	1 Electric Vehicle at a time
	Metering	Embedded non-revenue grade meter with 1% accuracy
Power Output	Output Rating	208-240VAC Single Phase 16A 50Hz
	Connector Type	3 pin Class-I / 16A water proof socket IEC 60309 socket option available
Protection	Safe Charging (Fail Safe Standards)	Auto Reset on Fault/No Load Residual Current Protection Short Circuit/ Surge Fault Protection IP grade enclosure with water proof socket (Optional)
	Charging Current/ Voltage Protection	Software Controlled Over/Under Voltage Protection Hardware Controlled Over/Under Voltage Protection Software Controlled Over/Under Current Protection Hardware Controlled Over/Under Current Protection
	Charging Ground (Earth) Protection	Protective Earth (PE) Monitoring Earth Leakage Current Protection Earth Fault Current Protection External Earthing Provision (If additionally required)
	Electrical Protection	IEC60947-2
	Safety Standard	IEC 60950
	EMI Standard	EN 55022
	Enclosure Standard	IP 54
User Interface & Control	Status Indicators	Status LEDs for Supply (R), Charging (G) & Fault (Y) Monitoring Over Charge Grid's Android/IOS platform
	Buttons/Switches	Software based auto-reset to make unit/kWH to zero value
	User Interface & Authentication	ChargeGrid Mobile App based Interface & Authentication
Communication	Communication	ChargeGrid Protocol
Environmental	Operating Temperature	5° C to 50° C
	Humidity	<95% relative humidity, non-condensing
Mechanical	Charging Cable	3 core, 2.5 sq.mm. Industrial grade AC cable (Optional)
	Mounting Type	Wall mounted (standard)
	Cooling	Natural cooling
	Dimensions (H x W x D)	300 x250 x110 (mm)
	Gross Weight	2.5 kgs (approx.)
Warranty	Workmanship Warranty	12 months
Operation	Mobile Application	ChargeGrid Application Payment gateway enabling cashless transaction  GET IT ON Google Play  Available on the App Store

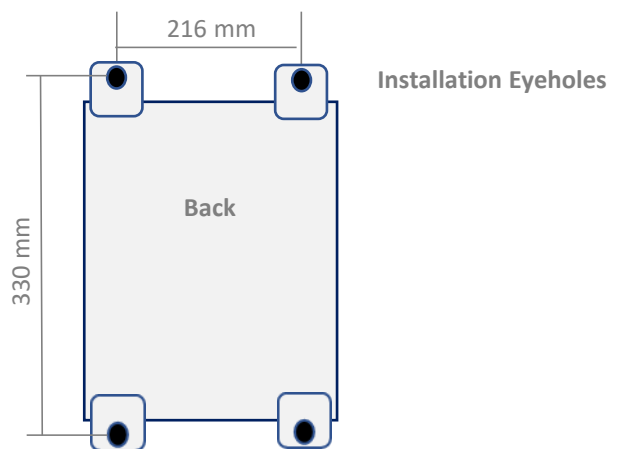
DIMENSIONS & MOUNTING



Key Components View



All measurements are in mm unless mentioned.
Specifications are subject to change without notice.



TERMS & CONDITIONS

- ✓ Magenta will supply the chargers. Installation is in client's scope. Installation services can be provided on request and will be charged separately
- ✓ Wi-Fi connection, routers, computers & any other appliances required for remote monitoring system (if applicable) shall be at customer's scope
- ✓ Delivery period stated applies from the date of receipt of confirmed Purchase Order and Payment
- ✓ Order cancellation is possible only within 1 week from the order date, subject to cancellation charges based on the Engineering and job progress, subject to a minimum 10% of the order value
- ✓ The equipment we propose are designed in accordance with relevant norms, design & safety standards, in conjunction with Magenta EV Solutions' in-house quality, procedures, electrical specification and drawing systems. Further information on these systems is available on request
- ✓ This document has been prepared for the purpose of describing the design of a proposed EV Charging system with enough detail to demonstrate compliance with all applicable codes & regulations. This document should not be relied upon as a substitute for installation manuals
- ✓ Title to the goods & components delivered shall remain vested in Magenta EV Solutions Pvt. Ltd. till full payments are received
- ✓ Magenta reserves the right to update product specification and prices.

PRICE

- Price: Rs. 19,750/- plus taxes
- Transport will be extra and on actuals
- This offer price is subject to availability of the product

DELIVERY

2 weeks from the date of receipt of full payment against confirmed order

PRODUCT RANGE

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SPECIFICATIONS	Mini	Lite	Pro	Pro Max
A. Safe Charging (Fail-Safe) Standards				
Auto Reset on Fault/No Load	No	Yes	Yes	Yes
Residual Current Protection	No	Yes	Yes	Yes
Short Circuit/ Surge Fault Protection	Yes	Yes	Yes	Yes
IP grade enclosure	Yes	Yes	Yes	Yes
B. Charging Voltage Protection				
Software Controlled Over/Under Voltage Protection	Yes	Yes	Yes	Yes
Hardware controlled Over/Under Voltage Protection	No	Yes	Yes	Yes
C. Charging Current Protection				
Software Controlled Over/Under Current Protection	Yes	Yes	Yes	Yes
Hardware Controlled Over/Under Current Protection	No	Yes	Yes	Yes
D. Charging Ground (Earth) Protection				
Protective Earth (PE) Monitoring	No	No	Yes	Yes
Earth Leakage Current Protection	Yes	Yes	Yes	Yes
Earth Fault Current Protection	Yes	No	Yes	Yes
External Earthing Provision, If Required	Yes	Yes	Yes	Yes
E. Charging Display & Charging Status Indicators				
Inbuilt Display for Unit Consumption Monitoring	Yes	Yes	Yes	Yes
Monitoring Over ChargeGrid's Android/IOS platform	No	Yes	Yes	Yes
Status LEDs for Supply (R), Charging (G) & Fault (Y)	Yes	Yes	Yes	Yes
F. Charging Protocol/Standards				
Electrical Protection Standard	IEC60947-2			
EMI Standard	EN 55022			
Safety Standard	IEC 60950			
Enclosure Standard	IP 54			
Communication Protocol	No	HTTP	HTTP	OCPP V 1.6/V 2.0
H. Mechanical Enclosure Standards				
Dimensions	300 x250 x110 (mm)			
Weight (gross)	2.5 Kg (approx.)			
Mounting Wall Option	Mount / Pole Mount Option			
Max Internal Temperature Rating	+60°C			
Ambient Temperature Rating	-10°C To +55°C			