ChargeGrid FLARE - Streetlamp Integrated EV Charger

Backed by

Patent Filed

ChargeGrid FLARE

ChargeGrid FLARE has been specifically designed to be installed in public access environments such as community parking lots, railway stations, airports and smart city kerb sides to offer an ideal on-street electric vehicle charging solution for users on the fly.

With its stylised shape, modern lines and patented technology, ChargeGrid FLARE meets the demand of innovative design, urban looks and rugged use.

Product HIGHLIGHTS
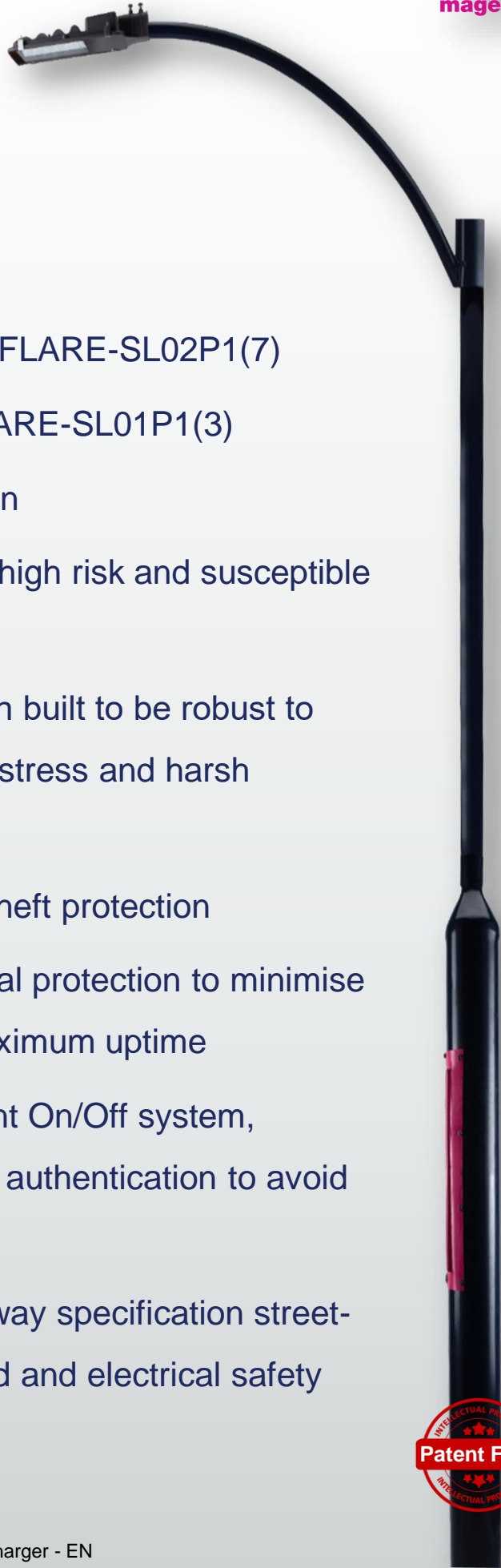
❑ 7kW output

❑ Socket Types & Models

    ❑ Type-2 socket Model: FLARE-SL02P1(7)

    ❑ IEC socket Model: FLARE-SL01P1(3)

❑ With Internet communication

❑ Vandal resistant design for high risk and susceptible public locations

❑ Charger's housing has been built to be robust to withstand both mechanical stress and harsh environmental conditions

❑ Unique fasteners ensures theft protection

❑ Includes necessary electrical protection to minimise safety risks and ensure maximum uptime

❑ Mobile app based, intelligent On/Off system, payment gateway and user authentication to avoid electricity theft

❑ Comes complete with highway specification street-light column, LED light head and electrical safety cut-outs

Patent Filed

Highlights

Specification

FAQ

Magenta

ChargeGrid FLARE
Technical Specifications

INPUT POWER	
Input Voltage (AC)	Single phase, 230 Vac
Input Frequency	50Hz
Wires	L, N an PE (Ground)
OUTPUT POWER	
Number of Outputs	1
Output Connector	Type-2 / IEC 60309 socket options
Output Current	32A
Output Rating	7.2kW / 3.3kW (for optional IEC socket)
Efficiency	Up to 92%
ENVIRONMENT	
Operating Temperature	5ºC to 55ºC
Altitude	<2000Mtr
Humidity	<95%, Non-Condensing
PROTECTION	
Protection	Over voltage, under voltage, over current, short circuit, surge protection, over temperature, ground fault, residual current
Compliance & Safety	IEC, CE
USER INTERFACE & CONTROL	
Display	Optional (for kWH consumption)
Language	English
Emergency Stop	Mushroom head push button
User Authentication	Mobile App
Visual Indication	Status LED (Charging, Fault, Idle)
COMMUNICATION	
Charger & CMS	OCPP 1.6
Network Connection	2G/3G/4G compliant Sim card
MECHANICAL	
LED Wattage	80W
Ingress Protection	IP 55 (charger module)
Cooling	Natural Cooling
Dimensions (charger module)	750mm (L) x 125mm (W) x 150mm (D)
Dimensions (pole)	4800mm(H) x 165mm(OD)
Weight	80 Kg (approx.)

Specification

FAQ

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ChargeGrid FLARE
Product FAQs

How much space would be required? Basic dimensions of ChargeGrid Flare including the dimensions of concrete block required for installation? Pole height (super structure): standard 6 metres. Non-standard heights available on request.

Foundation (sub structure): 1m X 0.03m X 0.03m (L X B X H).

Are connector options available?

The two connector options available are Type-2 socket Model: FLARE-SL02P1(7) and IEC socket Model: FLARE-SL01P1(3)

Which electric vehicles can be charged using ChargeGrid Flare?

This AC charger is designed to charge all the electric vehicles available on Indian roads including 2 wheelers, 3 wheelers and cars.

How much time will it take to charge the electric vehicles?
The approximate time required for charging 2 wheelers is 60 minutes, 3 wheelers will get charged in 90 minutes and 4 to 5 hours for cars.

What are the government rules to put up these streetlamps and chargers?

Our products strictly follow the IEC guidelines and other stipulations. There is no license required for setting up these chargers in countries such as India. However, please consult local government bodies for details.

What is the warranty provided?

Given the confidence in the design, we provide 12 months complete module replacement warranty and LED panel replacement in case of fault in LED.

Does Magenta manufacture solar based Streetlamp EV charger?
Currently, we are not manufacturing solar based Streetlamp EV charger, but it is part of our product roadmap to be launched shortly.

Can the charger module be fitted on existing streetlamps?
Yes, it can be fitted on existing lamps. However, due to technical, dimensional & warranty related issues, we recommend installing the complete pole with charger manufactured by Magenta.

FAQ

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ChargeGrid FLARE
Product FAQs

What is the minimum order quantity and delivery timeline?

The minimum order quantity for standard off the shelf product is 10 nos. for India and 100 nos. for international markets with approximately 45 days delivery lead time against confirmed order.

Is modification/ white labelling possible?

Yes, white labelling of the product is available subject to order quantities above 100 nos. and design approvals.

Will ChargeGrid FLARE include AMC support? If yes, provide terms & condition and charges for the same?

Yes, Annual Maintenance Services are available at additional costs and can be provided. AMC costs will depend on multiple factors including number of chargers, city, distance etc. However, given that there are no moving parts, the AMC chargers are nominal and can be confirmed in discussion with our sales representatives.

Can we get the colors of the pole & charger customized?

Yes, any colors from RAL code can be used to color the pole & the charger module as desired..

Can we install EV charging station billing meter installed with the pole charger?

Yes, ChargeGrid FLARE is compliant with EVCS tariff billing meter. However, application, approvals & installation is not part of supply scope of Magenta.

What are the other modes of charger communication available?

The current version of our charger offers Sim card based 2G/3G/4G options. In future, we may offer RFID, Ethernet & Bluetooth communication options.

Can I avail discount if ordered in bulk quantities?

Please contact our sales representatives for MOQs & pricing related details.
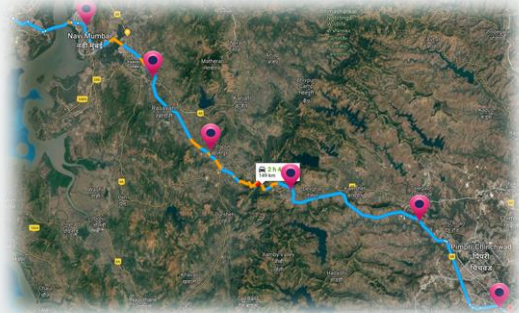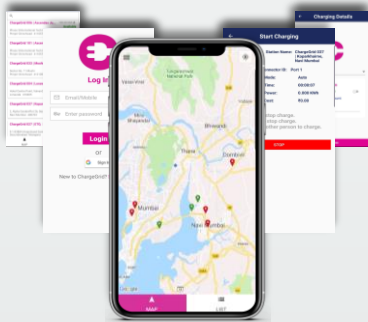
FAQ

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About MAGENTA

Magenta is in the business of 'empowering electric mobility and making electricity clean' through its group companies and intermediaries
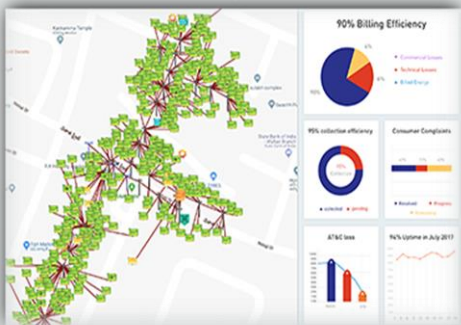
magentapower
Clean Energy Solutions

Generation

magentachargegrid
Charging the rEVolution

Utilisation

Mumbai - Pune EV Highway

magentainfomatics
Technology for Clean Energy

Adoption

About MAGENTA

Magenta has received numerous awards and recognitions for the pioneering work in clean energy solutions

Bloomberg | Quint

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MD,
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26 September 2019

the better india

Zero-Energy Mumbai Society Uses Sun to Charge Cars, Cuts Power Bills to 0!

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India's first solar-powered EV charging station installed in Mumbai

Naveen Soni | TIMESOFINDIA.COM | Jun 13, 2018, 17:25 IST

Renewable energy solutions provider Magenta Power, in association with Exicom Power Solutions, has installed India's first solar-powered DC fast charging station for electric

EXPRESS DRIVES

Magenta Power introduces free course in training and research on green energy solutions

Magenta Power says that the certificate course is a great introduction for those new to the field, those who are looking to make a career change, or those who want to learn more about green energy and the needed solutions.

By: Express Drives Desk April 17, 2019 6:33:45 PM

THE HINDU
BusinessLine
Companies

Magenta Power ropes in HPCL as strategic investor

PTI   Updated on July 25, 2019

ET Auto.com

Magenta Power installs India's first EV billing meter in Maharashtra

The installation of these billing meters will be done by Maharashtra State Electricity Distribution Company Limited (MSEDCL).

ETAuto | October 16, 2018, 15:26 IST

New Delhi: Magenta Power has launched India's first EV billing meter in Mahasrashtra with the support of state government and the MAITRI program on Tuesday.

The installation of these billing meters will be done by Maharashtra State Electricity Distribution Company Limited (MSEDCL), as per the company release.
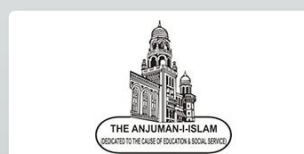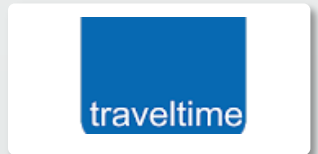
Marquee CLIENTS

Non exhaustive client list & details can be provided on request

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Charging the rEVolution

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