

MAT-OLIPHANT

MALITRA

**DC FAST
RANGE OF
CHARGERS**

30 KW

30 KW X2

60 KW ANY GUN

200 - 1000 VOLT DC



MAT-OLIPHANT | MALITRA

Unmatched charging solution to meet fast & reliable charging requirement for both fleet and domestic operation.

- Single and dual gun charger with super-fast mode using parallel operation (Any gun can provide 60 kW)
- capable of delivering up to 1000 V, 200A from a single charging gun,
- Built in safety and vehicle compatibility
- Make your charging experience simplified and seamless without hassle
- Built in fire & smoke sensor for early detection & unmatched security
- Feasibility to add fire suppressant system for early quenching of fire locally

Salient features included

- Multiple vehicle charging feasibility
- CCS-2 Single & dual gun feasibility
- Optional 22 kW AC Type 2 output
- >95% energy efficient
- Power configurations from 30 kW to 240 kW in 30 kW increments for future expansion
- Seamless payment and authentication
- Option to select either 7 or 10 inches of touchscreen user interface
- Intuitive and interactive user experience
- Authentication methods: RFID, QR code, mobile app, OCPP
- OCPP 1.6J remote management
- Option to choose Malitra CMS for own micro to medium business
- Can be configured with customer CMS
- IP55 metal enclosure for better thermal management and durability
- Designed considering Indian transport challenges
- Fool proof installation to enhance safety
- Operable in extreme high temperatures without power derating
- Customization of color and branding as per customer requirement
- Design life of 10 years
- 24 months Standard warranty
- Product AMC after warranty available

Technical Specification

Input Parameters	Values
Input Voltage	Nominal Voltage 415+/-10% 415V+0/- 10%
Power/Current	46 A, 33 kVA for 30 kW 93 A, 65 kVA for 60 kW with optional 22kW outlet: 78 A, 41 kVA for 30 kW 125 A, 73 kVA for 90 kW
Phase	Three phase TN-S connected
Frequency	50/60 Hz Nominal 45-65 Hz Range
i- Impulse	100 Amps
Conversion efficiency	95%
Total Harmonics Distortion	Less than 5%
Short Circuit Protection	25 KA Icu=Ics 100%
Power factor	Greater than 0.98
Short Circuit Breaking capacity	10KA
Standby power consumption	Less than 60 watts
Impulse Current	100A
Output Parameters	Values
DC Output Voltage	200 - 1,000 Vdc
Gun 1	: CCS-2 100 A
Gun 2	: CCS-2 100 A
Any Gun Combination mode	CCS-2 200 A
Ac charger (optional)	22 KW
Charger Class	Fast Charger 30 KW & Ultra-Fast Charger 60 KW
Power sharing	Available for both guns
Control and User Interface	
LED status & Indicator	Available
Display	Options to choose 7Inches & 10 inches

Configuration	Software update Over the Air (OTA) Control and Set up: OCPP v1.6j, local (passcode controlled)
Local Operation (RFID, Plug & Play)	Available
Expendable	As per customer
Language	English
Emergency Stop	Mushroom Head red Colour
User Authentication/Charging Option	RFID, CMS, QR code, OTP
Metering	AC & DC both
Visual Indication	2 parallel LED for status (charge, Ready, fault)
Connectivity	Wifi, GSM, Ethernet- RJ45
Modem	Inbuilt 4G LTE
Communication Protocol	OCPP 1.6 J
Protection	
Electrical Protection	UV, OV, SCP, OCP,
Nuisance Tripping	Power interruption
Emergency Stop	Available
Surge Protection	Standalone module as per IEC61000-4-5
Residual current protection	Auto resettable class B 30 mA AC and 6 mA DC
Earth fault	Detection, disconnection and auto reset
Surge Protection	Available system level
Over current Protection	available
Over voltage	Category 3 Available
Under voltage	Available
Under current	Available
QA Parameters	
Life Expectancy	10 years
MTBF	150000 Hours
Standard Warranty	2 years AMC, CMC and Extension as per customer demand
Mechanical	
Enclosure IP	IP 54 outdoor standalone as per IEC 60529

Enclosure material & Weight	GI Sheet Metal with pre-treatment, primer and powder coated Weight approx. 200 KG
Mounting	Foot punt with anti-theft protection arrangement
Cooling	Sideways forced air-cooling using fan filter arrangement
Cable entry	Bottom & Side optional
Cable Length	05-meter Standard 07 meter optional
Impact resistance	As per IEC62262
Dimension	
Environmental	
Operating Temperature	-30 °C to 75 °C (linear de-rating above 55 °C)
Altitude	Up to 2000 meters De-rated above 200 meters
Humidity	5% to 95% (Non-Condensing)
Storage Temperature	-40 to 80 Degree C
Standards complied	
Applicable standards	Complied as per Safety: IEC 61851-1; IEC 61851-21-2; IEC 61851-23; IEC 61851-24; IEC 62196-1; IEC 62196-3; IEC 61000 Other: ARAI (AIS 138 Part 2) Vehicle Communication: DIN 70121, ISO 15118, CHAdeMO v1.2, (optional) GB/T 27930, IEC61851(optional)

*Terms and condition apply

Contact us

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