

tuncmatik

Mini DC Charger

30/60 kW



Mini DC Charger

Tuncmatik Mini DC Charger fast charging device, has the ability to charge your vehicles with fast DC charging abilities at places without strong electrical infrastructure with the performance of charging your vehicle approximately 4 times faster with 30kW models and 8 times faster with 60kW models than many normal AC Chargers (as it is not limited by the on-board charger(OBC)). This way, it offers an effective solution in locations where the energy infrastructure is not suitable for large power devices such as 180 kW. Offering fast and efficient charging, Tuncmatik Mini DC Charger enables electric vehicle drivers to return to the road as soon as possible. Thanks to its features, it is an excellent choice for short stop locations, highway rest stops and gas stations.








Other features;

- IP54 protection, IK10 vandal-proof enclosure and IK8 touch screen
- Remote firmware upgrade
- Remote diagnostic function simplifies data collection and analysis process
- Standard charging capacity up to 300A
- Standard output voltage range between 200-1000VDC
- Optional CCS1 and CHAdeMO sockets are available
- User Authentication via RFID and QR Code
- GSM, 3G, 4G, LTE Cellular and Ethernet(RJ45) Connectivity
- OCPP 1.6J communication protocols
- Integrated surge protection
- Grounding fault including DC leakage protection

Usage Areas

- Houses/Apartments
- Villas
- Fleet
- Public Charge Stations
- Shopping Centers
- Parking Garages
- Amusement Centers
- Petrol Stations
- Business Centers
- Shortstop locations
- University Campuses
- Sites



ŞARJ TÜRÜ FAST DC CHARGE TYPE	SOKET ADETI 1/2 NUMBER OF GUNS
YÜKSEK VERİM  HIGH EFFICIENCY	ÇIKIŞ VOLTAJ ARALIĞI 200-1000 VDC OUTPUT VOLTAGE
GSM  GSM	HABERLEŞME OCPP 1.6J COMMUNICATION
4G 4G 4G	LTE lte LTE
KORUMA SINIFI IP54 PROTECTION CLASS	RFID  RFID
ETHERNET (RJ45)  ETHERNET (RJ45)	TAM KORUMA  FULL PROTECTION
QR CODE  QR CODE	DOKUNMATİK LCD EKРАН  LCD TOUCHSCREEN

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LED Indicators



Supports all kinds of charging sockets (Customized cable length)



7" LCD touch display



In-built RFID Reader



NFC sensing area (No indication for this icon. To start or stop charging, please put NFC card nearby this area)

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MODEL	30 kW	60 kW
Charging Type	DC Fast Charging	
INPUT		
Phase	3P + N + PE	
AC Input Power	33 kVA / 48A @400V 50Hz	64 kVA / 93A @400V 50Hz
Voltage Range	400 VAC or 380 VAC \pm 10%	
Frequency	50 / 60 Hz	
THDi	\leq %5	
Line	TN-S, TN-C, TN-C-S, TT (Required external RCD)	
OUTPUT		
Power Factor	\geq 0.98	\geq 0.99
DC Output Voltage	200-1000 VDC	
Efficiency	\geq %93	
Max. Current	CCS Cable	80A
	CHAdeMO Cable	60A
Standby Power	< 35W	
Pre-Charge Current	< 1A	
Inrush Current	< 55A	< 100A
Leakage Current	0.8 mA	
SOCKET & CABLE		
Socket Option	CCS2 (CCS1 & CHAdeMO optional), Single Socket	CCS2 (CCS1 & CHAdeMO optional), Double Socket
Number of EV Served	1	2
Cable Length	5m (Optional 6-7m)	5m (Optional 6-7m)
SYSTEM FEATURES		
Energy Metering	Standard: Meter for DC output, Optional: AC input	
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection, grounding fault including DC leakage protection, door opening protection	
Overvoltage Category	Type II	
Emergency Button	Yes	
Cellular Communication	GSM, 4G, LTE (Optional)	
Connectivity	Ethernet (RJ45), Wi-Fi, 4G, 3G	
Communication Protocols	OCPP 1.6J	
User Authentication	RFID, QR Code	
RFID Reader	ISO/IEC 14443 A/B Mifare RFID reader	
User Interface	7" LCD touchscreen	
DIMENSIONS & WEIGHT		
W x D x H (mm)	218 x 660 x 1250	
Weight (kg)	80	100
ENVIRONMENTAL		
Operating Temperature	-35 °C - 55 °C	
Storage Temperature	-40 °C - 70 °C	
Humidity	< 95% (non-condensing)	
Altitude	Up to 2000m	
STANDARDS		
Codes & Standards	IEC61851-1 ed 3, IEC61851-23 ed 1, IEC61851-24 ed 1, IEC62196-2, IEC62196-2, IEC62196-3	
Communication to the EV	DIN70121, ISO/IEC 15118 ed 1, CHAdeMO 1.2	
Electro-Magnetic Compatibility	Class A (optional Class B) according to EN 61000-6-3:2007	