

**tuncmatik**

# PRO+ DC Charger

240-300-360 kW

CABLE  
HOLDER



## PRO+ DC Charger

Tunçmatik PRO+ DC Charger is a turbo mode fast DC charger model for our valuable customers. It can charge your electrical vehicle faster than other model devices. It can perform ultra fast charging one or two vehicles at the same time due to the turbo mode feature. The power capacity up to the desired power is among the preferences of busy locations with their power sharing features. This device also has a User friendly 32" Smart LCD Touch Panel. Tunçmatik PRO+ DC Charger which has full-modularized design including control system, power source system, distributed power system and power factor system enables EV drivers to get back on the road as quickly as possible. Perfect for shortstop locations, highway rest stops, and fuel retail, PRO+ DC Charger provide a seamless user experience and always consume power efficiently due to its ECO energy saving mode; when electrical vehicle charging is complete, the charging station will go into sleep mode (consumption <35W) even if the charging gun is connected but the charging station will continue to charge if the charging gun is connected to another vehicle. By its built-in low noise fans and replaceable filter for easy maintenance it's designed for easy and quiet operation in residential areas.

## Other features;

- IP54 protection, IK10 vandal-proof enclosure and IK8 touch screen
- Remote firmware upgrade with APP (OTA)
- Optional turbo mode, shorten the charging time and improve the efficiency by 28%
- Thanks to turbo mode up to 400A charging capacity (Available 500A liquid cooled cable)
- Standard Output Voltage range between 300-1000VDC at 30KW constant output power per module, faster charging efficiency
- Multilingual support for 32" LCD touch panel
- In-house developed controllers, CCS and OCPP charging modules
- The charger has passed many kind of rigorous environmental and thermal shock tests from -35°C to 55°C to ensure the system reliability
- The DC power module is equipped with UL approved epoxy resin automatic injection to sustain the dusty and salty air tests to improve environmental adaptability
- Supports OCPP 1.6 JSON network and 4G
- Adapting OCPP network security protocol to implement the OTA feature
- Passed cloud network protocol test and was verified by OCTT
- The Linux 5.10 OS and CPU performed with cybersecurity standards

## Usage Areas

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

<b>ULTRA FAST DC</b> CHARGE TYPE	<b>400A</b> TURBO MODE
<b>32"</b> LCD TOUCHSCREEN	<b>300-1000 VDC</b> OUTPUT VOLTAGE
<b>500A</b> LIQUID-COOLED CABLE	<b>OCPP 1.6J</b> COMMUNICATION
<b>4G</b> 4G	<b>2 DC</b> NUMBER OF GUNS
<b>IP54</b> PROTECTION CLASS	<b>RFID</b>
<b>ETHERNET (RJ45)</b>	<b>GSM</b>
<b>QR CODE</b>	<b>HIGH EFFICIENCY</b>

tuncmatik

# PRO+ DC Charger

240-300-360 kW

## Product Overview



Cable holder

Advertisement screen(Optional)  
for user engagement and brand  
promotion

High brightness, intuitive  
15.6"(option) or 32" touchscreen  
display

710 x 750mm Small footprint  
provides flexibility in installation and  
enables multiple parking scenarios

Digital connectivity for backend  
management systems and  
connected services

Charger comes equipped with an  
for true barrier-free access

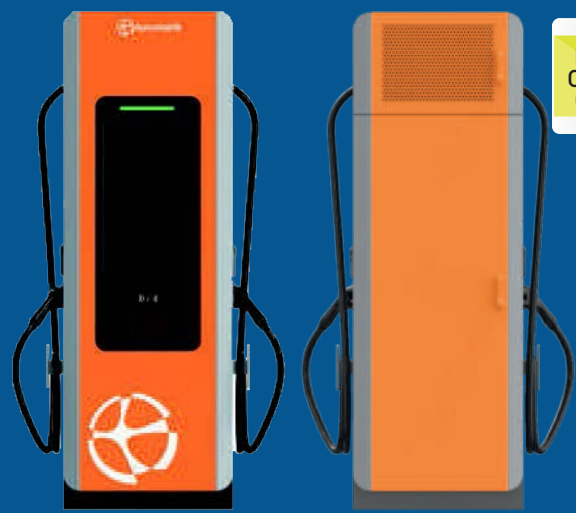
300A Air cooled cable (Peak 500A)  
Option 500A Liquid cooled cable

CABLE  
HOLDER



240kVA/300kVA/360kVA 32" LCD  
300A Air cooled cable (cable holder)  
Turbo Mode 400A 30min

LIQUID  
COOLED  
CABLE



240kVA/300kVA/360kVA 32" LCD  
500A Liquid cooled cable

# tuncmatik

## PRO+ DC Charger

### 240-300-360 kW

MODEL	240 kW	300 kW	360 kW
Charging Type	Ultra Fast DC Charging		
<b>INPUT</b>			
Phase	3P + N + PE		
AC Input Power	386A, 256kVA @ 400V 50Hz	484A, 320kVA @ 400V 50Hz	582A, 384kVA @ 400V 50Hz
Voltage Range	380/400/415 VAC		
Frequency	50 Hz or 60 Hz		
THDi	≤ 5%		
Line	TN-S, TN-C, TN-C-S, TT (required external RCD)		
<b>OUTPUT</b>			
Power Factor (Full Load)	≥ 0.99		
DC Output Voltage	200-1000 Vdc ( Constant power from 300-1000Vdc)		
Efficiency	≥ 94% (peak)		
Maximum Current for CCS Cables	300A air cooled cable (Peak 500A) Optional 500A liquid cooled cable		
Standby Power	< 35W		
Short Circuit Current	10 kA		
Pre-Charge Current	< 1 A		
Inrush Current	< 100 A		
Leakage Current	0.8 mA		
<b>SOCKET &amp; CABLE</b>			
Socket Option	T2(option): AC Type 2, C: CCS2 cable		
Number of EV Seved	Up To 1 TYPE 2 (Optional)		
Cable Length	5m		
<b>SYSTEM FEATURES</b>			
Energy Metering	Standard: Meter for DC outlet, Optional: AC inlet		
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection, ground fault including DC leakage protection, door opening protection		
Overvoltage Category	Type II		
Emergency Button	Yes		
Cellular Communication	4G		
Connectivity	Internet access via 4G/Ethernet (RJ45)		
Communication Protocols	OCPP 1.6J		
User Authentication	RFID, QR code		
RFID Reader	ISO/IEC 14443 A/B Mifare RFID reader		
User Interface	32" LCD high-contrast touchscreen, optional 15.6"		
Software Upgrade	Yes		
Language Options	Turkish, English, German, Italian, Spanish, French, Russian, Portuguese		
Protection Rating	IP55 and IK10 (cabinet) / IK8 (touchscreen)		
<b>DIMENSIONS &amp; WEIGHT</b>			
W x D x H (mm)	750 x 710 x 2200		
Weight (kg)	544	608	672
<b>ENVIRONMENTAL</b>			
Operating Temperature	-35 °C to +55 °C		
Humidity	<95%, non-condensing		
Storage Temperature	-40 °C to +70 °C		
Altitude	Up to 2000m		
<b>STANDARDS</b>			
Charging System	IEC 61851-21-2, IEC 61000, IEC/EN 61851-1, IEC 61851-23, IEC 61851-24, IEC 62196-1, IEC 62196-3		
Communication to the EV	DIN 70121, ISO/IEC 15118		
Electro-Magnetic Compatibility	Class A (optional Class B) according to EN 61000-6-3:2007		