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**tuncmatik**

## Pro+ DC Charger

### 60-180 kW

Tunçmatik PRO+ DC Charger fast charging station features the ability to easily charge and pay for your vehicle, as well as adjust power capacity up to the desired level, enabling it to fast charge one or two vehicles. This makes it a preferred choice for high-traffic locations due to its power sharing capabilities. With a fully modular design, including a control system, power supply system, distributed power system, and power factor system, the Tunçmatik PRO+ DC Charger ensures electric vehicle drivers get back on the road as quickly as possible.

The PRO+ DC Charger provides a seamless user experience and, with its ECO energy-saving mode, when the vehicle is fully charged, the charging station will switch to sleep mode (consumption <35W) even if the socket is connected. However, if the socket is connected to another vehicle, the charging station will continue to charge, always consuming power efficiently, making it an excellent choice for short stops, highway rest stops, and gas stations. Designed for quiet operation in residential areas, it features internal low-noise fans and a replaceable filter for easy maintenance, ensuring comfortable and quiet use.



## TECHNICAL SPECIFICATIONS

- IP 54 protection, IK10 impact-resistant enclosure and IK8 touchscreen
- Remote software update
- Remote diagnostic function simplifies the data collection and analysis process.
- Up to 200A single socket charging capacity in normal operation.
- Up to 300A single socket continuous charging capacity in turbo mode.
- Up to 500A single socket charging capacity in turbo mode for 30 minutes.
- Output voltage range between 200-1000 VDC
- Standard CCS2 socket
- Easy payment with QR Code and RFID
- GSM, 4G and Ethernet (RJ45) Connection
- OCPP 1.6J communication protocol
- Integrated voltage suppressor
- Ground fault including DC leakage protection
- Door opening protection
- Up to 160kW capacity available on a single socket for 800 VDC class vehicles.

CHARGING TYPE	PROTECTION CLASS	NUMBER OF SOCKETS	COMPLETE PROTECTION	TURBO MOD
FAST DC	IP54	2		500A
4G	HIGH EFFICIENCY	COMMUNICATION	OUTPUT VOLTAGE RANGE	TOUCH-SCREEN 15.6"
4G		OCPP 1.6J	200-1000 VDC	
GSM	RFID	QR CODE		

## USAGE AREAS

- Vehicle fleets
- Public charging stations
- Shopping malls
- Parking lots
- Gas stations
- Entertainment centers
- Highway rest areas
- Short break locations
- Residential complexes
- University campuses



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MODEL	60kW	90kW	120kW	180kW
Charging Type	Fast DC Charging			
<b>INPUT</b>				
Phase	3P + N + PE			
AC Input Power	93 A, 64 kVA @ 400V 50 Hz	139 A, 96 kVA @ 400V 50 Hz	185 A, 128 kVA @ 400V 50Hz	278 A, 192 kVA @ 400V 50Hz
Voltage Range	400 VAC or 380 VAC $\pm$ 10%			
Frequency	50 Hz or 60 Hz			
THDi	$\leq$ 5%			
Mains	TN-S, TN-C, TN-C-S, TT (external RCD required)			
<b>OUTPUT</b>				
Power Factor	$\geq$ 0.99			
DC Output Voltage	200-1000 Vdc			
Efficiency	Up to 94%			Up to 95%
Maximum Current for CCS Cables	300 A	300 A	300 A	300 A
Standby Power	< 35W			
Pre-Charge Current	< 1 A			
Inrush Current	< 100 A			
Leakage Current	0.8 mA			
<b>SOCKET &amp; CABLE</b>				
Socket Option	CCS2 socket cable			
Cable Length	5 m default			
<b>SYSTEM FEATURES</b>				
Energy Measurement	Standard: Counter for DC output			
Protection	Overcurrent, overvoltage, undervoltage, integrated overvoltage protection, recovery fault DC leakage protection included, door opening protection			
Overvoltage Category	Type II			
Cellular Communication	GSM, 4G			
Connectivity	Internet access via 4G/Ethernet (RJ45)			
Communication Protocol	OCPP 1.6J			
User Authentication	RFID, QR code			
RFID Reader	ISO/IEC 14443 A/B Mifare RFID reader			
User Interface	15.6" LCD high-contrast touchscreen			
Language Options	Turkish, English, German, Italian, Spanish, French, Russian, Portuguese			
<b>DIMENSIONS &amp; WEIGHT</b>				
W x D x H (mm)	750 x 740 x 1830			
Weight (kg)	315	355	355	395
<b>ENVIRONMENTAL</b>				
Operating Temperature	-35 °C to 55 °C			
Humidity	< 95%, relative humidity (non-condensing)			
Storage Temperature	-40 °C to 70 °C			
Operating Altitude	Up to 2000m			
<b>STANDARDS</b>				
Charging System Standards	IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 61000			
With Electric Vehicle Communication	DIN 70121, ISO/IEC 15118 ed 1			
Electromagnetic Compatibility	Class A according to EN 61000-6-3:2007			

