Smart EV Charger
7kw/22kW AC Charger

☙ Product Features

PLC Communication: Transmits data/control signals via power lines (ISO 15118-3 compliant).

Wireless CT Integration: Works with wireless current transformers and CTBOX for power flow monitoring.

Renewable Energy Integration: Connects to solar PV/wind systems for self-generated energy use.

OCPP Compatibility: Supports OCPP 1.6J & 2.0.1 for network/management platform integration.

Built-in Safety: Equipped with RCD protection and dynamic load balancing.

3-Year Warranty: Backed by a 3-year warranty.

∞ Key Features

· **Smart Charging**
Automatically optimizes charging based on renewable energy availability (priority to solar / wind).

· **Flexible Charging Modes**
Three selectable modes: Eco, Eco+, and Fast, allowing energy-efficient or rapid charging.

· **Remote Control & Monitoring**
Manage scheduling, charging history, and settings through the T-Power App.

· **Dynamic Power Management**
Balances energy between solar generation, grid supply, and home battery storage.

· **Multiple Connectivity Options**
Ethernet / Wi-Fi / 4G / Bluetooth supported.

· LED Status Indicator.

· **Human Presence Detection**
The display automatically turns on/off when a person is within 5 meters.

Main Performance And Characteristics

Parameters	Model	TP28-C-07-L	TP28-C-22-L
Input	Voltage	230V ± 20%	400V ± 20%
	Current	32A	
	Frequency	50/60Hz	
Output	Voltage	230V ± 20%	400V ± 20%
	Max Current	32A	
	Rated Power	7kW (1-Phase)	22kW (3-Phase)
User Intrface	Charge Plug	Type-2	
	Cable Length	5 Meters (Include Connector)	
	Enclosure	PC 901	
	LED Indicator	Green/Blue/Red/Yellow/ Orange	
	LCD Display	No	
	RFID Card Reader	ISO14443 Type A Cards Compatible	
	Start Method	Mobile App, Physical Button, RFID, Plug And Charge	
Communication	Communication	Eth+Wi-Fi+4G+Bluetooth	
	Protocol	1.6J And 2.0.1 (Firmware Upgrade Required)	
	Communication Type	PLC ISO 15118-3	
Safety	RCD	30mA AC & 6mA DC Leakage	
	Protection Grade	IP65	
	Electrical Protection	Over Current, Short Circuit, Over Voltage, Under Voltage, Ground Fault, Lightning Surge, Over Temperature	
	Certification	CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, IEC 62196-2, RCM	
	Load Control	Compatible With Smartcharge Load Controller Or OCPP Smart Profiles	
	Standard	EN/IEC 61851-1	
Working Environment	Installation	Wall Mount/Pole Mount	
	Cooling	No	
	Storage Temp	-40°C To +70°C	
	Operating Temp	-30°C To +50°C (Option Heating Sysytem)	
	Working Humidity	5% - 95% Relative Humidity	
Package	Product Size	200 X 200 X100 mm (W*D*H)	
	N.W.	4.1 Kg	5.5kg
Others	Packaging Material	Carton Box	
	Warranty	3 Years	