

Smart EV Charger

7kw/22kW AC Charger

☺ Product Features

PLC Communication: Transmits data/control signals via power lines (ISO 15118-3 compliant), no extra wiring needed.

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.

∞ Main function

- **Smart Charging:** Manages charging based on renewable energy availability (prioritizes solar/wind)
- **Dynamic Modes:** 3 modes (Eco, Eco+, Fast) for flexible energy use.
- **Remote Control & Monitoring:** Remotely controlled/monitored via T-Power app (scheduling, tracking, settings adjustment).
- **Power Management:** Optimizes charging using solar generation, grid power, and battery storage data.
- **Eth / Wi-Fi / 4G / Bluetooth**
- **3.5" LCD Screen + LED indication lights**
- **Human Motion Radar Sensor:** The screen automatically turns on or off when a person is detected within 5 meters of the charger.



Main Performance And Characteristics

Parameters	Model	TP28-S-07	TP28-S-22	TP28-S-PLC-07	TP28-S-PLC-22
Input	Voltage	230V $\pm$ 20%	400V $\pm$ 20%	230V $\pm$ 20%	400V $\pm$ 20%
	Current	32A			
	Frequency	50/60Hz			
Output	Voltage	230V $\pm$ 20%	400V $\pm$ 20%	230V $\pm$ 20%	400V $\pm$ 20%
	Max Current	32A			
	Rated Power	7kW (1-Phase)	22kW (3-Phase)	7kW (1-Phase)	22kW (3-Phase)
User Interface	Charge Plug	Type-2 Socket			
	Enclosure	PC 901			
	LED Indicator	Green/Blue/Red			
	LCD Display	3.5" LCD Screen			
	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.	2.1 Kg	2.3kg	2kg	2.2kg
Others	Packaging Material	Carton Box			
	Warranty	3 Years			