

Teíson



Teíson Portable pro

TS-PEC-002



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The best charger for your wonderful journey



Product features



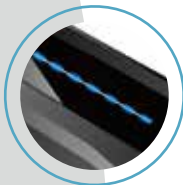
Solid design control box

Meet IP65 & IK08 standard by lab test



LCD Color screen

Easiest user interaction and real-time status view



Breathing Indicator light

Showing real time charging status



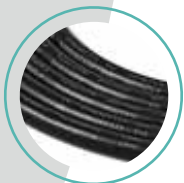
Control button

Max output current adjustment & set scheduled charging time



Water protection gasket

30 minutes water resistance under 1 meter depth of water



TPU cable

5 meter cable with excellent durability and top cold resistance at -40°C



TUV approved connector

Excellent water protection and easy hold ; Silver plated terminals to minimize wear and tear on EV charging socket

Designed for the best portable EV charging

- IEC/EN 62752 , all EMC items under IEC/EN 61000 , IP65 approved by TUV
- IK08 Solid design withstand a 2.5T car
- Max 22 kw fast charging speed
- Flexible charging/ power connector options
- Color screen displays all the charging data you want to know in real time and dynamically
- build in metering chip measures power consumption accurately
- Max 7 levels current adjustment & 8 hours schduled charging
- -30℃-60℃ stable working
- Self-diagnosis of faults, automatic repair
- Compatible with all cars in type 2/1 connection.
- Protecting the life of car battery with the most stable charging process.

Highest safety

- PCV0 housing with 2.0~3.0mm thick exudes robustness and protects inside components from external influences.
- The housing is made from materials specially developed for top heat dissipation and with flame retardant coating.
- Completely meets all requirements of the TUV applicable standards.
- AC + DC faults detection
- Real-time monitoring for heat and all instabilities during charging process

Parameter

Specification	Model	TS-PEC-002-16A	TS-PEC-002-32A	TS-PEC-002-16A3P	TS-PEC-002-32A3P
Electrical Properties	Voltage	230VAC ±15%	230VAC ±15%	380VAC ±15%	380VAC ±15%
	Max Output Current	16A (6/8/10/13/16A Optional)	32A (6/8/10/13/16/20/32A Optional)	16A (6/8/10/13/16A Optional)	32A (6/8/10/13/16/20/32A Optional)
	Max Output Power	3.6kw	7kw	11kw	22kw
	Cable Specification	3*2.5mm ² +2*0.5mm ²	3*6mm ² +2*0.5mm ²	5*2.5mm ² +2*0.5mm ²	5*6mm ² +2*0.5mm ²
	Frequency	50/60 Hz			
Structure Design	Residual current protection	30mA or 30mA +DC 6mA			
	Display	1.8" LCD			
	LED Indicator	LED Light bar			
	Front Panel	PMMA			
	Installation Method	Wall-mount/carry-on Optional			
	Charging Outlet	TYPE1/2 + 5M charging cable			
	Housing Material	PC+GF 10%			
Security Protection	Safety Standard	IEC/EN 62752:2016			
	Multiple Protection	Over/Under voltage protection , Surge protection , Over temperature protection , Over current protection , Leakage Protection , Short circuit protection , EFT Protection			
	Warranty	1 year			
Environmental Performance	Working temperature	-30 ℃ ~60 ℃			
	Storage temperature	-40 ℃ ~70 ℃			
	Working humidity	5%~95%, No condensation			
	Protection Level (control box)	IP65			
	Altitude	≤2000m			
	Application Site	Indoor/Outdoor			
	Cooling Method	Natural cooling			
Extra Function	Temperature detection function	Yes (check the temp.of PCB and show it on the screen)			
	Schedule charging	Yes(1-8hours)			
Packing Details	Product Size	255*109*55mm			
	Product Weight (Net Weight)	≤2.7KG	≤3.3KG	≤3.5KG	≤4KG
	Product Weight (Gross Weight)	≤2.9KG	≤3.6KG	≤3.8KG	≤4.4KG

Product size and packaging

Product size: 255*109*55mm

Product net weight:

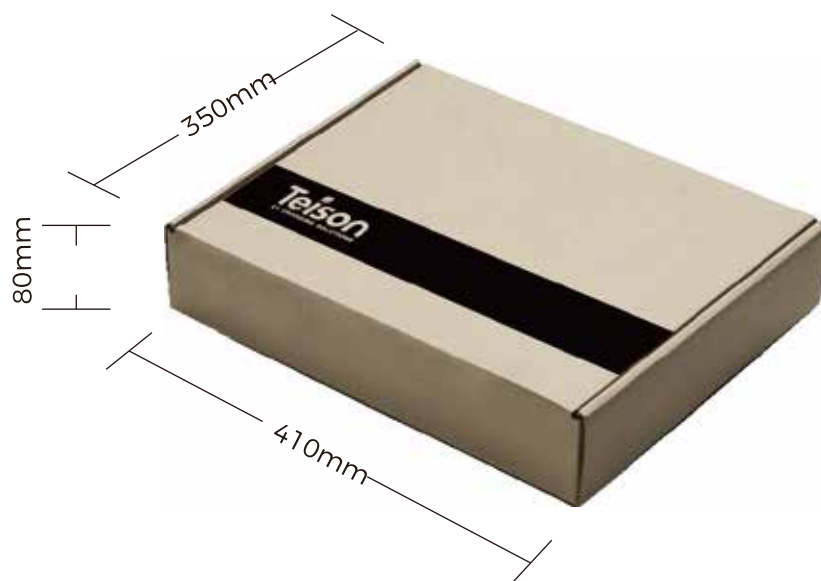
16A: $\leq 3.5\text{kg}$ 32A: $\leq 4\text{kg}$

Product gross weight:

16A: $\leq 3.8\text{kg}$ 32A: $\leq 4.4\text{kg}$



Each one is with a certificate of conformity card. Five-layer corrugated packaging is used to fit the charger measured 410mm(L)*350mm(W)*80mm(H) for 1 pc.



Product installation

Pls kindly check the manual before using.

The operation steps are as follows:

Step 1: Connect with the power, the control box starts to be energized, the blue light bar is always on, and the screen will display the gear and status.

Step 2: Press the “Control button” to set charging current.

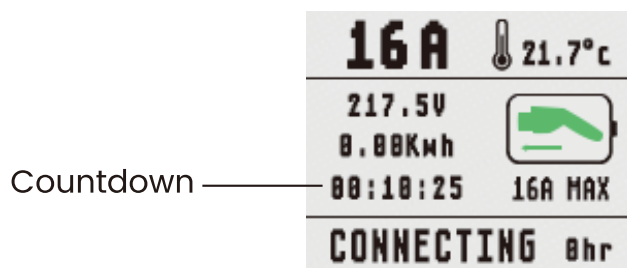
Step 3: Schedule charging function

1) If you need to use the scheduled charging function, press the button for 3 seconds to enter the scheduled charging interface when it's in standby status. Also press button for 3 seconds to exit the scheduled charging interface.



control button

2) After entering the scheduled charging interface, press the button once to reserve one hour, and accept Max 8 hours scheduled time. After confirming the appointment time, stop the button operation and the system will automatically enter the countdown state. Then insert the plug to the vehicle to wait charging.

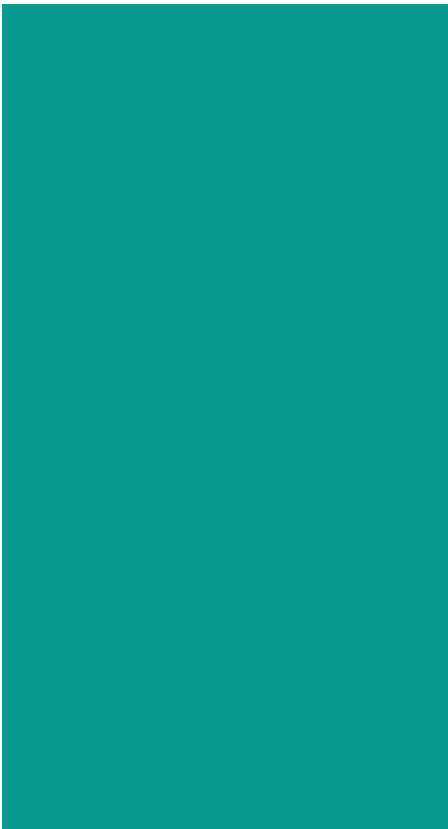


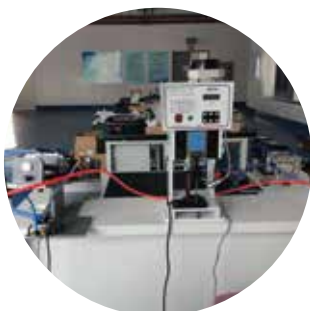
3) If you need to terminate the appointment status, pull out the power supply and power on again!

Fault handling

Condition	Display code	LCD display	Status indicator light	Solution
Leakage Protection	0x0001	Creepage	flash/1s	Disconnect the relay within 20ms, stop charging. The relay is cut off and the red light flashes. Need to manually power it back on
Over Voltage protection	0x0002	OverVoltage	flash/1s	After power on for 5 seconds, the single-phase voltage is more than 254V, one of the 3P voltage is more than 440V, stop charging automatically, the relay is cut off, the red light starts to flash, the voltage returns to normal. Need to manually power it back on
Less voltage protection	0x0004	UnderVoltage	flash/1s	After power on for 5 seconds, the single-phase voltage is less than 100V, one of the 3P voltage is less than 173.2V, stop charging automatically, the relay is cut off, the red light starts to flash, the voltage returns to normal. Need to manually power it back on
Over voltage protection	0x0008	OverCurrent	flash/1s	If the maximum current is 2A higher than the limited, stop charging automatically, the relay is cut off, the red light starts to flash, the voltage returns to normal. Need to manually power it back on
Over temperature protection	0x0010	Over Temperature	flash/1s	When the temperature is higher than 85 °C, the charging will stop automatically, the relay will be disconnected, the red light will start to flash, when the temperature drops below 85 °C, and the charging condition is ok, the relay will automatically pick up and start charging. When the temperature is between 75 °C and 85 °C, the control box will automatically lower one gear position. When the temperature is lower than 75 °C, the gear position will automatically recover.
NTC brake	0x0020	Temp Brake	flash/1s	The temperature sensor is open circuit, stop charging and the relay is cut off, enter the fault state; need to return to the factory for repairing
NTC short	0x0040	Temp Short	flash/1s	The temperature sensor is short circuit, stop charging and the relay is cut off, enter the fault state; need to return to the factory for repairing
CP communication	0x0080	Gun Fault	flash/1s	The CP of the charging cable is short-circuited, stop charging and the relay is cut off, enter the fault state, pull out the gun, and recover after solving the problem.

Our case





Teison Profile

Teison is a professional EV charging products manufacturer located in Yangzhou city, China. Our products including ev charging station, mode 2 portable ev charger, mode 3 ev charging cable and other accessories, have been applied to more than 32 countries in Europe, North America, Asia and Oceania. Covers an area of 2500 square meters, 50 workers and specialized R&D engineers' team and 4 production lines. Besides, we have our own QC and test department to control the quality.

Teison passed the ISO9001 quality management system certification, ISO14001 environmental management system certification. Products passed the TUV test, widely used in different occasions all over the world.

Teison always insists on quality & service first. We sincerely welcome clients around the world to our factory for quality and production line check.

Factory history



NEW OFFICE

More Products



Teison Portable mini

TS-PEC-003

- IP65
- Easy carry
- TUV & CE approved
- 6-16A adjust current



Teison Wallbox home

TS-EVC07-001 (S) / TS-EVC11-001 (S) / TS-EVC22-001 (S)

- Small volume
- Easy installation
- Patent product



Teison Home Pro

TS-EVC07-002 (S) / TS-EVC11-002 (S) / TS-EVC22-002 (S)

- Home load-balance
- Open communication protocols more oem functions



Teison pro smart - ocpp

TS-EVC07-002c-001 (S) / TS-EVC11-002c-001 (S) / TS-EVC22-002c-001 (S)

- RFID
- 4G/WIFI/Ethernet
- Smart APP
- OCPP 1.6 J-son



Teison Smart mini

TS-EVC07-003 / TS-EVC11-003 / TS-EVC22-003

- Smart APP control
- Eco mode
- mini size
- OTA



EV Charging Cable

- TPU material
- More wear-resisting
- Colour customization