Teison

Teison DC ESS 60kW

TS-EDMB60A

Product Overview

CE IP 55 IK 10

RFID OCPP 1.6 J-son WIFI 4G

Overall Features

Energy Storage System Support

The storage and charging system is used together with the power grid and charging piles to make the charging scenario more flexible

Meet Two Application Scenarios

Support emergency EV charging and external AC discharge

Multiple Standard Charging Port Combinations to Choose From

Ccs2, Chademo, Gb/t, And Ccs1 Can Be Combined And Customized.

Diverse Power Range

Multiple Power Options Are Available, Ranging From 60 Kw To 240 Kw With Customizability.

High Voltage Output

The Maximum Output Voltage Can Reach 1000v, Meeting The Needs Of The Vast Majority Of Electric Vehicles On The Market.

Intelligent Operation

It Can Not Only Operate On Our Platform But Also Connect With Various Ocpp Platforms.

Backend Monitoring

The Status Of The Charging Station Can Be Monitored In The Background.

Designed for Future Smart Charging Network

- Timeless and classic design fits in urban space and architecture.
- Compatible with full smart functions under OCPP 1.6 J-SON.
- Authorization for use on a mobile application or a cloud platform to monitor the charger operation remotely.
- Connecting to the network by 4G,WIFI and Ethernet.
- Independent Access hole, wiring entrance and rail-mounted components for most effective installation and maintenance.
- Protecting the life of car battery with the most stable charging process.

Highest Safety

- Galvanized steel sheet housing material,Have good heat dissipation. The structural strength is high, and the outdoor installation is not easy to be damaged.
- The housing is made from materials specially developed for top heat dissipation and with flame retardant coating.
- Completely meets all requirements of the CE applicable standards.
- AC + DC faults detection.
- Real-time monitoring for heat and all instabilities during charging process.

Efficient Energy Storage System Used in Combination

- Modular assembly, the same product meets the needs of different scenarios, making usage eciency higher.
- Addressing range anxiety for electric vehicle users while providing power supply during grid fluctuations or power outages.
- During peak hours, cars can be charged from battery storage.The battery can then be re-charged during off-peak hours. This mean pay lower fees during peak hours and save costs.
- The air-conditioning system, fire protection system and battery management system make the whole charging system safer and more efficient.

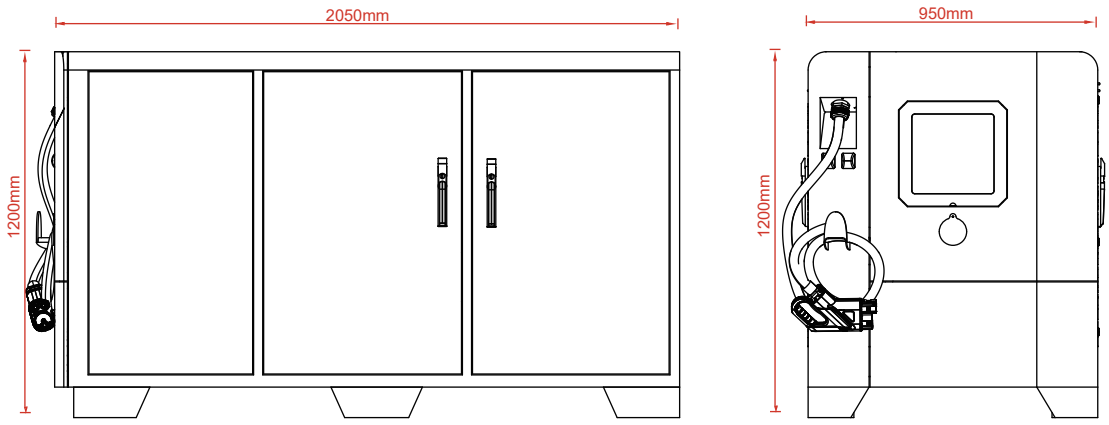
Product Configuration

Product Code	Vehicle Connector	MAX. EV Charging Current MAX. AC Discharging Current	MAX. EV Charging Power At 300~1000VDC MAX. AC Discharging Power At 380VAC
TS-EDMB60A	CCS2	150A (EV charging)	60kW (EV charging)
TS-EDMB60B	CHAdeMO		
TS-EDMB60C	GB/T		
TS-EDMB60AG	CCS2+CEE (AC outout)	150A (EV charging) 45A (380V AC discharging)	60kW (EV charging) 30kW (AC discharging)
TS-EDMB60BG	CHAdeMO+CEE (AC outout)		
TS-EDMB60CG	GB/T+CEE (AC outout)		
TS-EDMB60G	CEE (AC outout)	45A (380V AC discharging)	30kW (AC discharging)

Note: Other types of charging stations, such as CCS1, may also be selected and customized according to specific needs.

Options	
Network Gateway	4G
Battery Capacity	30~240kWh
Cable Managerment	5M 7M 10M
Solar Port	Solar mppt module
Customized Branding	Branding options, such as custom colors and stickers Contact Teison for availability, pricing, and minimum order quantity

Product Size and Package



Product Code	Package Size(mm)	Package Weight(KG)
TS-EDMB60	1100*2200*1600	1240

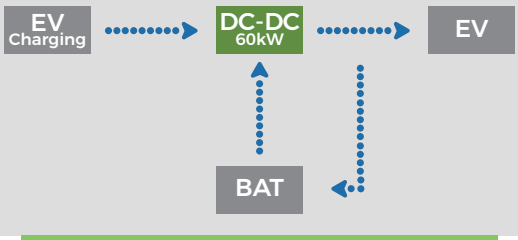
Parameter Instructions

Specification		
Model		TS-EDMB60
Electrical Properties		
Input	AC Input Rating Voltage	323V~477V AC
	AC Input Connection	3P+N+PE
	AC Input Rating Current	3*45A
	Frequency	50/60Hz
	Power Factor	≥0.98
	AC Efficiency	≥95%
	DC Input Voltage	250V~850V
	DC Efficiency	≥96%
Output (EV Charging)	DC Output Voltage Range	200V~1000V
	Max.Output Current(system)	200A
	Max.Output Current(connector)	150A
	DC Max Output Power	60kW
	DC Voltage Accuracy	±0.5%
	DC Current Accuracy	±1%
Output (AC Discharging)	AC Output Rating Voltage	380V/400V/415V (220V/230V/240V)
	AC Output Connection	3P+N+PE
	AC Max Output Power	30kW
	Frequency	50/60Hz
Energy-Storage System	Battery Capacity	64.5kWh
	Usable Energy (SAT)	61.3Kwh (95%DOD)
	Battery Nominal Voltage	614.4V
	Battery Material	LiFePO4
	Max Recharge Power	30kW
	Max Discharge Power	30kW
	Battery Cycle Life (25˚c)	≥6000 (80%DOD)
Product Specification		
Dimension		0.95*2.05*1.3m (W*D*H)
Material		Industrial Grade Alloy
Color		White Weather-resistant Coating
User Interface & Control		
Display		10.1" Touch Screen
Screen Material		LCD
Meter		DC Meter (MID PTB optional)
Push Buttons		Operation Buttons/Emergency Buttons/Fire Button
User Authentication		User Authentication RFID, OCPP, QR Code, Password, Application
Support Language		English (Other languages available upon request)
Communication		
Communication Protocol		OCPP 1.6J
External		Ethernet, WIFI
Internal		CAN, RS485, RS232

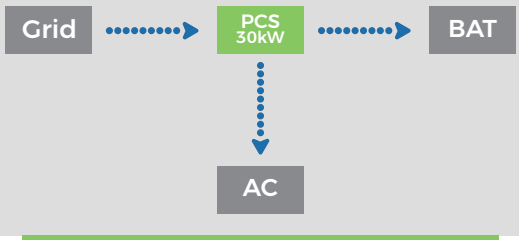
Environmental	
Operating Temperature	-25℃-50℃ (over 45℃ derating)
Humidity	<95% Relative Humidity, Non-condensing
EMC Emission	Type B
Altitude	≤2000m (6000 feet)
Mechanical	
Ingress Protection	IP55
Enclosure Protection	IK10
Fire System	Composite Detector+Aerosol Extinguishing Agent
Cooling System	Air Cooling/Air Conditioning
Installation Method	Floor Mounted
Safety	
Input Protection	Under Voltage, Over Voltage, Over Current, Over Temperature,Leakage
Output Protection	Short Circuit, Over Temperature, Residual Current, Over Current, Leakage
Emergency Protection	Surge Protection, Ground Fault, High Precision Output Insulation Monitoring
Regulation	
Certificate	CE CB MSDS UN38.3
Standard	IEC61851-1, IEC61851-23, IEC61851-21-2, IEC61851-24, IEC61000-6-2, IEC61000-6-4, IEC 62619, IEC61000-6-1/3
Optional Config	
Network Gateway	4G
Cable Management	Optional
Advertising Screen	Optional
Charging Port	Optional (Default CCS1 CCS2)
Solar Port	Reserved

Teison DC ESS Series Framework Description

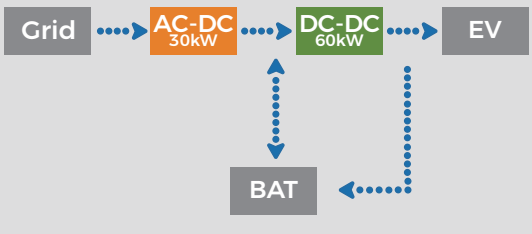
Four Product Configuration



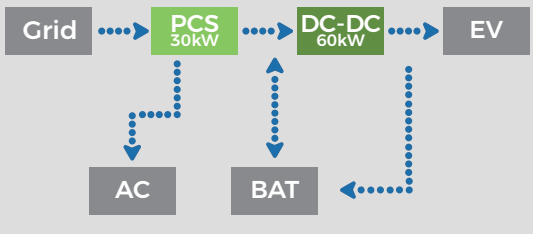
DCDC scheme(DC charging / discharging)
Emergency recharging of electric vehicles



PCS scheme (AC charging / discharging)
- may option solar Industrial electricity



ACDC+DCDC scheme (DC- AC charging / DC discharging)
Emergency recharging of electric vehicles



PCS+DCDC scheme (DC- AC charging / AC-DC discharging)-
may option solar Industrial electricity /
Emergency recharging of electric vehicles

Teison Profile

Teison is a high-tech enterprise in the new energy sector, specializing in electric vehicle charging and energy storage technologies. We offer full-scenario solutions integrated with intelligent cloud platforms, with a core focus on high-power DC fast charging, combined charging and storage systems, and the development of a digital energy ecosystem—driving the global transition toward cleaner energy.

With strong R&D capabilities and extensive international market experience, Teison provides a compre -hensive product portfolio, including megawatt-level liquid-cooled split DC systems, air-cooled DC chargers, wall-mounted fast chargers, smart AC home chargers, and portable charging devices. Our products are designed for residential, commercial, workplace, and high-power operational environments, and are certified to meet major standards across Europe, the US, China (GBT), and Japan. All devices support the OCPP 1.6J protocol and are certified by leading authorities such as TÜV, UL, and ETL.

Operating in over 40 countries, Teison has established overseas branches, warehouses, and localized service networks, working closely with more than 100 global partners to deliver efficient, tailored solutions. Guided by a commitment to safety and innovation, Teison is dedicated to creating high-performance, scalable charging products that support the future of smart, low-carbon mobility.

Factory History

2018

Teison established in Yangzhou, Jiangsu Province.
Specializing in the production, research and development, and customization of EV charging equipment.

2019

Developed OCPP AC charger and get TUV certificated.

2020

1. Awarded as national high-tech enterprise .
2. Established a new production facility.
3. Developed full line of DC chargers.

2021

Performance continued to grow, becoming the new energy industry export sales champion enterprise in Yangzhou.

2022

1. Production facility expanded.
2. Serving partners in 45 countries and regions worldwide.

2023

1. Sales hit 100 million yuan with compound increase of 30% .
2. Smart Energy System Solutions.

2024

1. Establish offices worldwide.
2. Improve Teison's localization services.