

Empower drivers to charge safely and efficiently by providing clean, profitable charging solutions for businesses, accelerating the world's transition to sustainable energy.

EVcharging[∞]

A leading provider of EV charging solution



EV Charging Clean Energy Technology Co., Ltd.
A subsidiary of East Group

Find out more at

www.evchargingplus.com

[EV Charging Clean Energy](#)

[EV Charging EVCCE](#)

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Empowering Green Mobility

EV Charging Clean Energy Technology Co., Ltd.

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About Us

EV Charging Clean Energy Technology Co., Ltd. (EVCCE) founded in 2014, headquartered in Shenzhen, a subsidiary of East Group (listed on Shenzhen Stock Exchange with code: 300376) which has business operations via over 260 customer service centers in over 100 countries and regions including China, Europe, the United States, Africa, and Asia.

EVCCE is a high-tech enterprise integrating designs, develops, manufactures, and sells EV charging infrastructure and provides charging solutions with high-value quality for private homes, apartments, workplaces, utilities, charging networks, fleets, car dealerships, etc.

We combine breakthrough technology, and strong R&D with the world-class in-house manufacturing facilities, global delivery, service and quality control capabilities (ISO 9001, ISO 14001, ISO 45001, IECQ) to offer products and solutions that minimize impact on the environment and help customers meet their clean energy goals. We are capable of providing end-to-end solutions for all segments of the charging ecosystem: hardware, software and services.



2024

EAST Group move to the new headquarters

2022

Exclusive Charging Solution Partner for COP27 iF Design Award

2021

No.1 Charging Infrastructure Manufacturer in China

2020

Become a global supplier of EV charging infrastructure

2018

EAST Group Brand Value \$1.64B
State-certified High-tech Company, 2018

2014

EAST Group Listed on Shenzhen Stock Exchange
EVCCE Founded Subsidiary of EAST Group

2011

Start EV charging R&D

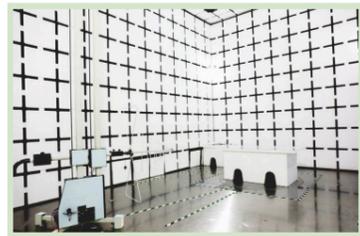
2006

EAST Group Joint Venture with Fortune 500 Schneider

1989

EAST Group was Founded in Yangzhou, China

CNAS Laboratory



Radiated Immunity Laboratory



Salt Spray Test Chamber



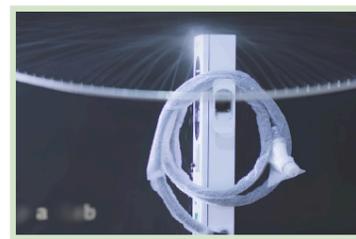
Lightning Surge Generator



Temperature and Humidity Chamber



Dustproof Laboratory



Water Spray Laboratory

Quality Manufacturing



SMT Production Line



Assembly Production Line



Testing Platform

R&D Ability

Outstanding R&D capability always be major competitive of EVCCE. Since the establishment in 1989, company has independently developed the core technologies of power conversion and kept deepening the application of technologies.

Every year EVCCE reinvests 10% of the revenue into R&D activities. Product development strictly follows IPD process to keep cut-edge technology outgoing in market.

CNAS-level test lab to facilitate the delivery of high standard & innovation products in projects. Each product is requested to go through a series of rigorous tests before delivered to customers.

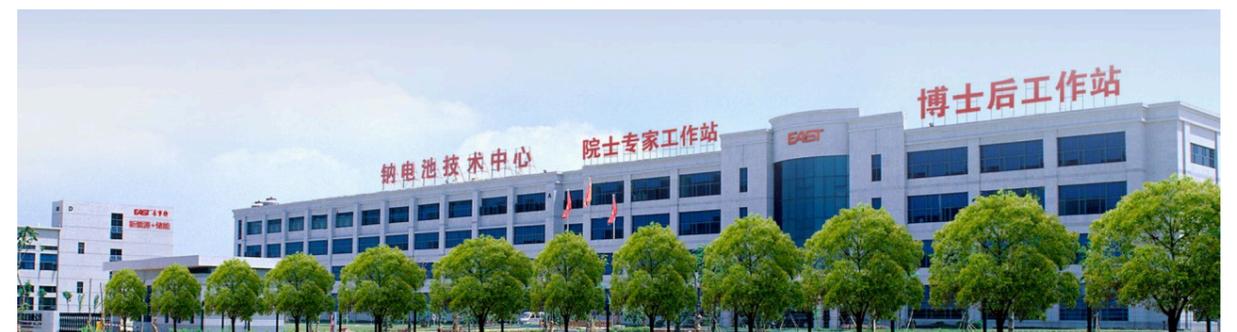
As a result, EVCCE products not only match the certificates of CE, TÜV, UL and other Regional certificates, but also cherished by customers around the world.

5 R&D Centers
R&D Investment of Total Annual **10%**

15 Doctor State Council Experts
600+ Engineers

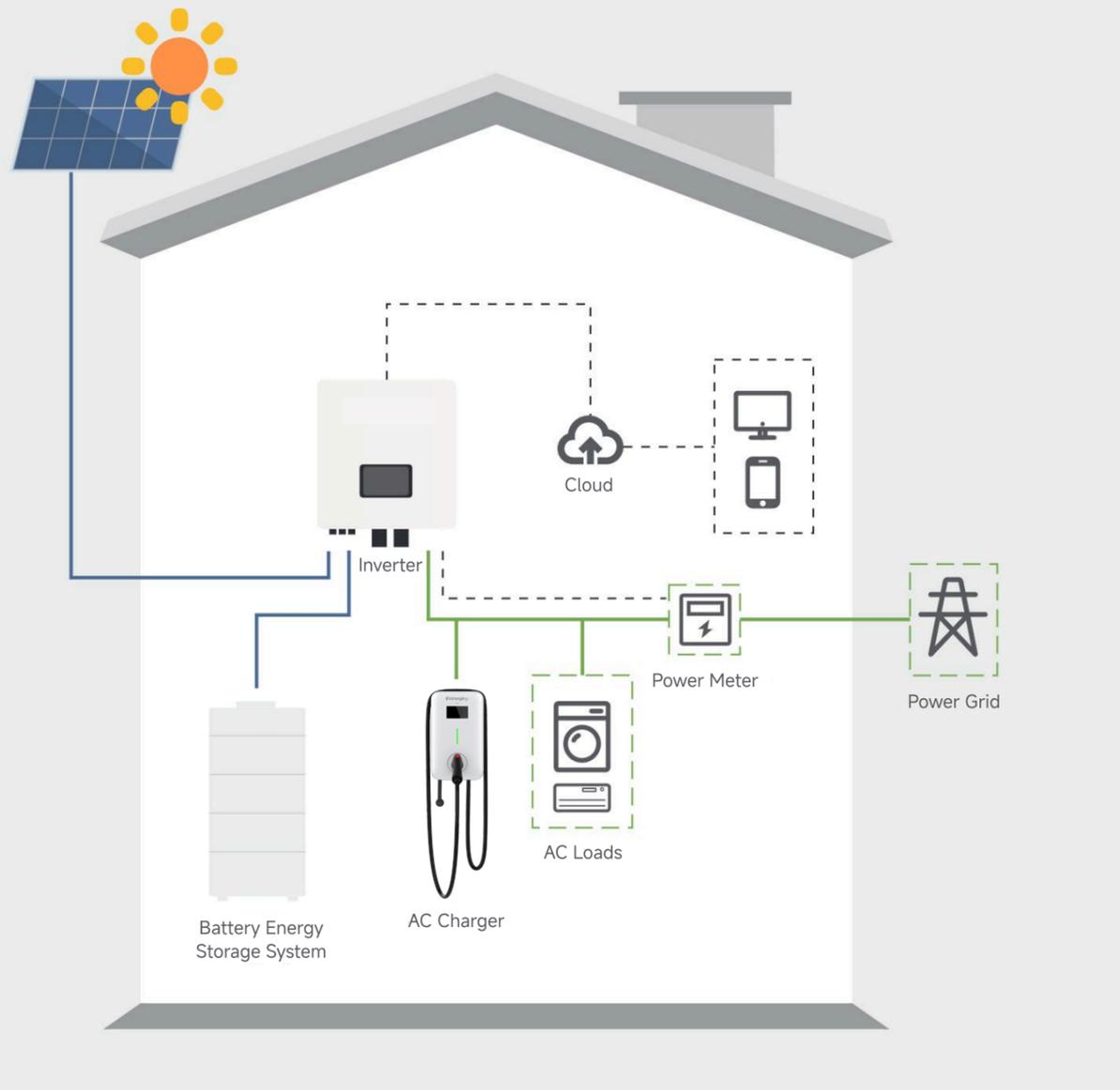
30+
National Industrial Honor

900+
Patents & Copyrights

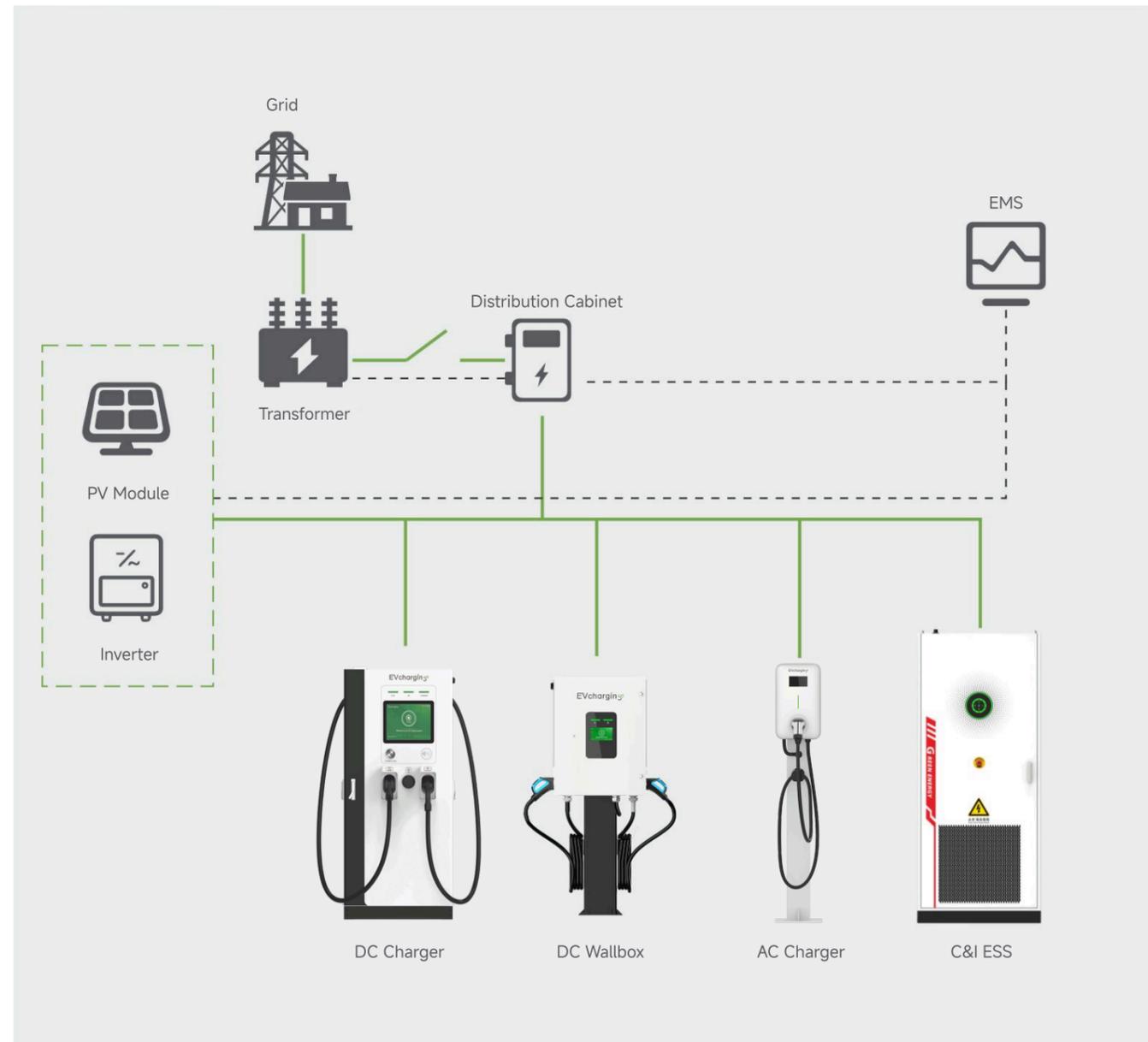


Solutions

Residential Energy Storage & Charging Solution



PV + Energy Storage Solution + EV Charger



7/11kW Atlas AC Home Charger

Extreme Safety

- Current limiting protection to safeguard home power use and prevent nuisance tripping
- 9-fold protections for user and vehicle safety
- Certified by the third party

High-value Quality

- Robust, weatherproof design, up to IP65, -40°C to 60°C operating temperature
- Always connected with Wi-Fi, Bluetooth, Ethernet (optional), remote support and firmware upgrades

Ultimate Experience

- Compatible with every electric vehicle
- Easy to install and maintain
- Continuous uptime without abnormal interruption

Intelligent Management

- Dynamic load management, efficient energy distribution for optimal charging
- Scheduled charging time for lower rates
- OCPP-compliant



Specification

Category	Item	A7/11-ST-EU Socket/Cable
Input	Voltage	230VAC ± 20% / 400 VAC ± 20 %
	Current	1-phase 32A / 3-phase 16A
	Frequency	50/60Hz
	Network Type	TN / TT (LN voltage 240V)
Output	Voltage	230VAC ± 20% / 400VAC ± 20%
	Current	1-phase 32A / 3-phase 16A
	Power	7kW / 11kW
Features & Functions	Material	PC+ASA
	Indicator	LED
	Cable Length	Standard 3.5m; Optional 5m
	Standby Power Consumption	< 4W
Communication	Communication	Standard: Wi-Fi, Bluetooth, Ethernet; Optional: 4G
	User Authentication	Plug & Charge, RFID, APP
	Backend Protocol	OCPP 1.6J, support update to OCPP 2.0J
Safety	Residual Current Protection	30 mA AC + 6 mA DC
	Safety Protection	Overcurrent, overvoltage, undervoltage, over-temperature, sticking relay, ground continuity monitoring, household power use protection, residual current protection, integrated surge protection
Certification & Standards	Certifications	CE, RoHS
	Standards	EN IEC 61851-1, EN IEC 61851-21-2
General Design	Dimensions (W×D×H)(mm)	Socket/Cable version: 190×110×320
	Package Dimensions (W×D×H)(mm)	Socket version: 280×250×390; Cable version: 335×280×470
	Net Weight	Socket version: 5kg; Cable version: 7kg
	Gross Weight	Socket version: 7kg; Cable version: 9kg
	IP & IK Rating	Socket version: IP55, IK10; Cable version: IP65
	Installation	Wall-mounting / Pole-mounting
	Operating Temperature	-40°C - 60°C
	Operating Humidity	5% - 95%
	Operating Altitude	≤2000m

7-22kW Atlas AC Commercial Charger

Extreme Safety

- Current limiting protection to prevent nuisance tripping
- 9-fold protections for user and vehicle safety
- Certified by the third party

High-value Quality

- Robust, weatherproof design, up to IP65, anti-high and low temperature
- Always connected with Wi-Fi, Bluetooth, Ethernet (optional), remote support and firmware upgrades

Ultimate Experience

- Compatible with every electric vehicle
- Easy to install and maintain
- Continuous uptime without abnormal interruption

Intelligent Management

- Set custom charging fees, real-time charging insights via the operating system
- Dynamic load management, efficient distribution of energy for optimal charging



Specification

Category	Item	A7/11/22-OP-EU Socket/Cable	A7/9/11-OP-UL SH/SP
Input	Voltage	230VAC ± 20% / 400VAC ± 20%	1-phase 208VAC / 240VAC
	Current	1-phase 32A / 3-phase 16A / 3-phase 32A	1-phase 32A, 40A, 48A
	Frequency	50/60 Hz	
	Network Type	Support , TT, TN grid	Support TT, TN grid
Output	Input Connector	Hardwired	Hardwired / Plug
	Voltage	230VAC ± 20% / 400VAC ± 20%	1-phase 208V / 240VAC
	Current	1-phase 32A / 3-phase 16A / 3-phase 32A	1-phase 32A, 40A, 48A
	Power	1-phase 7kW / 3-phase 11kW, 22kW	1-phase 7.7kW, 9.6kW, 11.5kW
Features & Functions	Output Connector	Mennekes (Type 2)	SAE J1772 (Type 1)
	Material	PC+ASA	PC-XD2322 (f1)
	Indicator	LED and 4.3" color LCD screen	
	Cable Length	Standard 3.5m; Optional 5m / 7m	Standard 5m; Optional 7m
Communication	Standby Power Consumption	<4W	
	Communication	Standard: Wi-Fi, Bluetooth, Ethernet; Optional: 4G	
	User Authentication	RFID, APP	
Safety	Backend Protocol	OCPP 1.6J, Support update to OCPP 2.0J	
	Residual Current Protection	30 mA AC + 6 mA DC	20 mA CCID
Certification & Standards	Safety Protection	Overcurrent, overvoltage, undervoltage, over-temperature, sticking relay, ground continuity monitoring, household power use protection, residual current protection, integrated surge protection	
	Certifications	CE, UKCA, RoHS	UL, ENERGY START, RoHS
General Design	Standards	EN IEC 61851-1, EN IEC 61851-21-2	SAE J1772, UI2594, UL2231-1, UL2231-2, UL199
	Dimensions (W×D×H)(mm)	Socket/Cable version: 235×110×395	
	Package Dimensions (W×D×H)(mm)	Socket version: 325×250×470; Cable version: 325×335×550	
	Net Weight	Socket version: 5kg; Cable version: 7kg	
	Gross Weight	Socket version: 7kg; Cable version: 9kg	
	IP & IK Rating	Socket version: IP55, IK10; Cable version: IP65	Cable version: IP65(NEMA 4), IK10
	Installation	Wall-mounting / Pole-mounting	
	Operating Temperature	-40°C - 55°C	-30°C - 50°C
	Operating Humidity	5% - 95%	
	Operating Altitude	≤2000m	

80-160kW Atlas DC Fast Charger

Safe and Reliable

- 53-fold electrical protections
- Stainless steel cabinet
- Smart charging

Easy Maintenance

- Unique module pre-installation design
- Automatic inspection platform
- Remote diagnostics and OTA upgrade

Exceptional User Experience

- Low noise design, ≤65dB
- Support APP, NFC, credit card, PNC
- User-friendly cable retraction system

Future Proof

- Support parallel design to meet future high-power charging needs
- CCS 1, CCS 2, CHAdeMO, GB/T
- Built-in 10 + languages



Specification

Category	Item	Atlas D80/120/160-EU		Atlas D80/120/160-UL
Input	Voltage	400VAC ± 10%		480VAC ± 10%
	Current	180A / 250A / 320A		117A / 174A / 231A
	Frequency	50/60Hz ± 10%		
	AC Wiring	3P + N + PE		
Output	Voltage	200VDC - 1000VDC		
	Max Current	200A / 200A / 200A, 500A(Optional)		
	Power	80 kW	120 kW	160 kW
	One Outlet	CCS2		CCS1
	Two Outlets	CCS2 + CHAdeMO or GB/T		CCS1 + CHAdeMO or GB/T
Screen & Communication	Three Outlets	CCS2 + CHAdeMO or GB/T+ Type-2 (22 kW) socket(optional)		CCS1 + CHAdeMO or GB/T+ Type-1 (22 kW) socket(optional)
	HDMI	15" high brightness full color touchscreen display		
	Network	Ethernet, Wi-Fi, SIM (4G)		
Protection	Protocol	OCPP 1.6J, OCPP 2.0J ready		
	Electrical	Protection against short circuit, overvoltage, undervoltage, over temperature, integrated surge protection, lightning, detection of grounding, insulation, phase deficiency, RCD: AC outlet - 30 mA AC + 6 mA DC ; DC outlet-Type A		
	Hardware	Emergency stop button		
Certification & Standards	Rating	IP54, IK10 (screen IK08)		
	Certifications	CE, UKCA, RoHS		UL, ENERGY STAR
Authentication	Standards	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, RoHS		UL 2202, UL 2231-1, UL 2231-2
	Online	1. APP; 2. RFID: ISO 14443 mifare 1; 3. ISO 15118 Plug & Charge; 4. POS (Visa / Master Card, Debit Card, Apple Pay, Google Pay)		
General Design	Offline	1. White listed RFID card; 2. Password		
	Dimensions (W×D×H)(mm)	850×600×1880		
	Package Dimensions (W×D×H)(mm)	1270×820×2066		
	Net Weight	320kg	330kg	340kg
	Gross Weight	325kg	335kg	345kg
	Cable	Standard 5m; Optional 7m; Cable management system optional		
	Standby Power	< 80W		
	Storage Temp	-40°C - 70°C		
	Operation Temp	-30°C - 55°C		
	Humidity	5% - 95%		
Material	Altitude	≤2000m		
	Noise	≤65dB		
	Material	Stainless Steel / Galvanized steel		

20-80kW EVDC Fast Charger

Safe and Reliable

- 54-fold electrical protections
- 4G card redundancy always online
- Online OTA upgrade

Exceptional User Experience

- Fast charging, maximum current 200A, high efficiency 96%
- Support APP, NFC, credit card
- Integrated cable management system is easy to stretch support
- Support site energy management

Easy Maintenance

- Unique module pre-installation design
- Automatic inspection platform
- Remote diagnostics



Specification

Category	Item	EVDC 20/30/40kW			EVDC 40/60/80kW		
Input	Voltage	400V ± 10%					
	Current	36A	52A	67A	67A	100A	131A
	Frequency	50/60Hz					
	AC Wiring	3P + N + PE					
Output	Voltage	200VDC - 1000VDC					
	Current	67A	100A	125A	125A	200A	200A
	Power	20kW	30kW	40kW	40kW	60kW	80kW
	Outlet	Single outlet: CCS2; CB/T			Two outlets: CCS2 + CCS2 ; CCS 2 + GB/T ; GB/T + GB/T		
Screen & Communication	Screen	7" High brightness full color touch screen display					
	Network	Ethernet, 4G, Wi-Fi, Bluetooth					
	Protocol	OCPP 1.6J, support update to OCPP 2.0J					
Protection	Electrical Protection	Protection against short circuit, over-voltage, under-voltage, over temperature, surge, lightning; Detection of grounding, insulation, phase deficiency; RCD protection.					
	Hardware	Emergency stop button					
	Rating	IP54					
Standards	Standards	GB/T 2023.1&4; GB/T 18487.1					
Authentication	Online	APP, RFID, POS (Visa/Mastercard, Debit Card, Apple Pay, Google Pay), VIN					
	Offline	White-listed RFID card; Password					
General Design	Dimensions (W×D×H)(mm)	700×250×760			700×290×1000		
	Pole Dimensions (W×D×H)(mm)	360×150×1600					
	Weight	170kg			200kg		
	Cable	5m, or customized					
	Standby Power	< 20W			< 40W		
	Installation	Wall mounting, Pole mounting (pole is optional)					
	Storage Temp	-40°C - 70°C					
	Operation Temp	-25°C - 50°C					
	Humidity	≤95%					
	Altitude	≤2000m					
	Noise	≤65dB					
	Material	Galvanized metal					

60-360kW EVDC Fast Charger

Safe and Reliable

- Over 54 multi-dimensional safety protection
- Ensure safe and intelligent charging
- Intelligent O&M, online OTA upgrade

Ultimate Experience

- 200V to 1000V wide voltage range
- Universal application with high flexibility

High Efficiency

- High conversion efficiency
- Low standby power
- Dynamically allocate power granularity

High ROI

- Pre-installation, easy to transport and maintain
- Distribute power via auto dynamic load management
- High power efficiency and heat dissipation performance

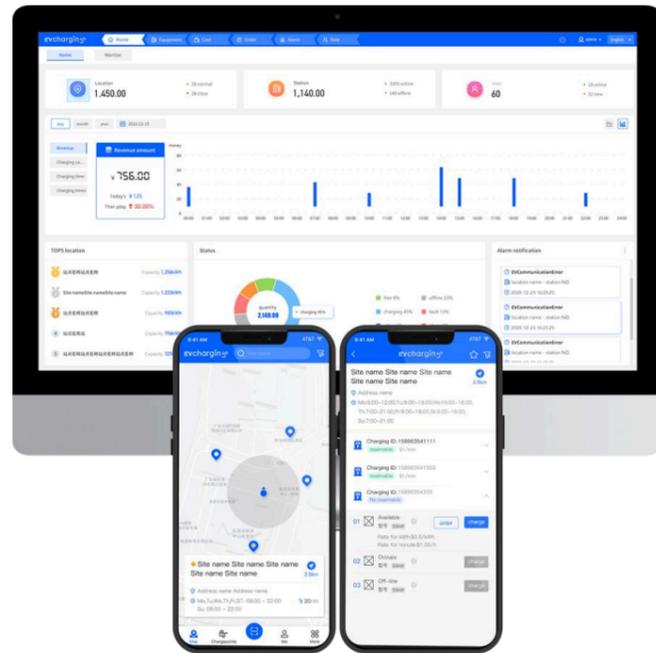


Specification

Category	Item	EVDC 60/80/120/160/180/240/320/360kW-10YHW							
Input	Voltage	400V ± 10%							
	Current	120A	161A	241A	332A	362A	483A	644A	724A
	Frequency	50/60Hz							
	Power Factor	≥0.99							
Output	THDi	<5%							
	Power	60kW	80kW	120kW	160kW	180kW	240kW	320kW	360kW
	Voltage	200V - 1000V							
	Constant Power Voltage range	300V - 1000V							
Screen & Communication	Max Current	200A							
	Outlet	Single outlet: CCS2 ; Two outlets: CCS2 + CCS2 ; CCS 2 + GB/T ; GB/T + GB/T							
	Screen	7" High brightness full-color touchscreen display							
Protection	Network	Ethernet, 4G, Wi-Fi, Bluetooth							
	Protocol	OCPP 1.6J, OCPP 2.0J ready							
	Electrical Protection	Overcurrent, overvoltage, undervoltage, over-temperature, sticking relay, ground continuity monitoring, household power use protection, residual current protection, integrated surge protection							
Standards	Hardware	Emergency stop button							
	Rating	IP54							
Authentication	Standards	GB/T 2023.1&4; GB/T 18487.1							
	Online	APP, RFID, POS (Visa/Mastercard, Debit Card, Apple Pay, Google Pay), VIN							
General Design	Offline	White listed RFID card, Password							
	Dimensions (W×D×H)(mm)	750×400×1500	800×520×1600	800×600×1800	800×730×1950				
	Cable	5m, or customized							
	Cooling Method	Air cooling							
	Screen	7" High brightness full-color touchscreen display							
	Standby Power	< 20W							
	Storage Temperature	-40°C - 70°C							
	Operating Temperature	-25°C - 50°C							
	Humidity	≤95%							
	Altitude	≤2000m							
Noise	≤65dB								
Material	Galvanized steel								

Smart Operating Platform for EV Charger

Charging management platform with key features to serve corporate customers in a fast-growing industry



Platform-as-a-service

Cloud platform for large businesses to operate and manage multiple customers, millions of drivers and transactions

Customizable Features

Extensive billing and payment features, charging priorities settings, etc.

OCPP & API-compliant

Compliant with open-source protocols including OCPP and OCPI, future-proof, flexible to integrate with parking, fleets and other backends

White-labeled interfaces

Fully branded platform portal and apps including style, contact details, etc.

Project Cases



The United Nations Climate Conference (COP27) in Egypt



BMW Battery Recycle Power Storage Station



Smart Home Charger in Israel



China Southern Power Grid



Xiaopeng Super Charger (NASDAQ: XPEV)



Hong Kong-Zhuhai-Macao Bridge Bus Charging Station

125kW+261kWh BESS All-in-one Liquid Cooling

Safe and Reliable

- Highly quality LFP cell testified DOD circle >6000
- Perfluoro firefighting & Non EV (vented explosion) construction design prevent thermal runaway and fire event

Efficient and Flexible

- All-in-one system 400VAC I/O, plug-in-play, liquid cooling system reduce 40% space occupation
- On-grid & black start working model
- HF power modular PCS base on three-level interter topology, >90% AC efficiency
- Black start allow system to backup when utility goes off, max 10 units parallel

Smart and Robust

- Cloud monitoring system, remote monitoring and OTA
- IP54 with C4 protection and build-in PTC heater on cell level, against extremely condition

Low OPEX

- AI enchant two level BMS accuracy control battery state, saving maintenance cost
- Liquid cooling BC management System, keep temperature consistency between battery pack <3%, reduce 30% power consumption, extend battery life circle more than 2 years



Specification

Category	Item	EASS125kW-261kWh
Outdoor Battery Cabinet Parameters	Battery Cell Type	LFP
	Battery Pack Capacity	314Ah
	Battery Configuration	1P260S
	Total Battery Capacity	261kWh
	Rated Voltage	832VDC
	DC Voltage Range	728-936VDC
	Charge/Discharge Rate	0.5C / 0.5P
AC Side (On-Grid)	DoD Circle	> 6000 times
	Rated Power	125kW
	Rated Voltage	400VAC (±15%)
	Rated Frequency	50/60Hz (± 2.5Hz)
	Max. THDv	≤3%
	Adjustable PF Range	98.50%
AC Side(Off -Grid)	Over Loading	110.00%
	Rated Voltage	400VAC
	Rated Frequency	50/60Hz
	Max. THDv	≤3%
	Rated AC Output Power	125kW
Efficiency	Max. AC Output Power	137.5kW
	Max. Efficiency	>90%
Protection	Reverse Connection Protection	YES
	DC Switch	YES
	Over - Temp Protection	YES
	Insulation Monitoring (Bat Side)	YES
	DC/AC Surge Protection	YES
	Fire Suppression System	Perfluoro (pack) + Temp sensor + Water distingular (cabinet)
System Parameter	Dimensions (W×D×H)(mm)	1000×1350×2350
	Weight	≤2500kg
	IP Level	IP54
	Operation Humidity	0% - 95%
	Operation Temperature	-30°C - 55°C
	Max. Operation Altitude	<3000m
	Noise Level	75dB
	Communication Port	Rs485, TCP/IP
	Cooling Method	Liquid cooling
	Standards	IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, UN 38.3
	Max. Parallel Quantity (off - grid)	10
EMS	YES	

6kW Single-phase Home Energy Solution All-in-one



-  Sleek and compact design
-  Stacking design for easy installation
-  Flexible expansion of battery capacity
-  Seamless switching of emergency mode to ensure that loads do not power down
-  IP66 stainless steel enclosure, waterproof and dustproof
-  Security and stability, 24-hour intelligent monitoring
-  Module plug & play, automatic recognition
-  Flexible setting of multiple working modes according to preferences

Specification

Category	Item	EAHI-6000-SL-S					
PV Input	Max. Input Power	8000W					
	Input Voltage Range	100-550VDC					
	Rated Input Voltage	360VDC					
	Min. Operating Voltage	150VDC					
	MPPT Operating Voltage	100-540VDC					
	PV Max. Input Current Per MPPT	16A / 16A					
	PV Max. Short-Circuit Current Per MPPT	24A / 24A					
	Quantity of Independent MPPT	2					
Battery Input	Number of Input Strings Per MPPT	1/1					
	Battery Type	Lithium battery					
	Battery Voltage Range	42-58VDC					
	Max. Charging Current	100A					
	Max. Discharging Current	120A					
	Charging Curve	3 Stages / Equalization					
AC Input (grid side)	Lithium Battery Charging Strategy	BMS self-adaption					
	Grid Type	Single phase					
	Input Voltage Range	184-276VAC					
	Input Frequency Range	50±5Hz / 60±5Hz					
AC Output (grid side)	Max. Input Current	40A					
	Rated Output Power	6000VA / 6000W					
	Rated Output Voltage & Frequency	220VAC / 230VAC, 50Hz / 60Hz					
	Rated Output Current	27.3A					
	Power Factor	> 0.99 (0.8leading-0.8lagging)					
AC Output (back-up side)	Total Current Harmonics	≤3% (@Rated power)					
	Rated Output Power	6000VA / 6000W					
	Rated Output Voltage & Frequency	230VAC (208/220/240VAC settable), 50Hz / 60Hz					
	Rated Output Current	27.3A					
	Voltage Harmonic	≤3% (@Linear load)					
Efficiency	Switching Time	≤10ms					
	Max. Efficiency	97.8%					
Protections	MPPT Efficiency	99.9%					
	Comprehensive	Grid over-voltage protection, grid over-frequency protection, grid overload protection, over-temperature protection, anti-islanding protection, insulation resistance detection, residual current monitoring unit, output over-current protection, output short-circuit protection, surge protection					
Standards	Surge Protection	DC Type II/AC Type III					
	Safety Regulation	IEC/EN 62109-1/-2, AS62109					
	EMC	EN 61000-6-1/-2/-3/-4					
Others	Grid Connection	CEI 0-21, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, NRS097-2-1, EN 50549-1 G99/1-9:2022, ETSI EN303645+PST1, C10/11:2021, XP C 15-712-3:2019, ELOT EN 50549-1:2019, PEA					
	Topology	High frequency isolation (to batteries)					
	IP Rating	IP66					
	Operation Temperature	-25°C - 60°C (derated at >45°C)					
	Cooling Mode	Natural cooling					
	Max. Altitude	4000m					
	Noise Level at 1m	≤25dB					
	Installation Mode	Floor-mounted					
System Componen	Dimensions(W×D×H)(mm)	600×305×530					
	Number of Battery Modules	1	2	3	4	5	6
	Battery Capacity	5.12kW	10.24kW	15.36kW	20.48kW	25.6kW	30.72kW
	Dimensions(W×D×H)(mm)	600×305×778	600×305×998	600×305×1218	600×305×1438	600×305×1658	600×305×1878
	Net Weight(kg)	93	143	193	243	293	343

10/15/20kW Three-phase Commercial Energy Solution All-in-one



 Lithium iron phosphate battery, IP66 outdoor protection level, built-in fire protection module

 Single cluster supports 5-20kWh stack-ing expansion, and supports up to 3 clusters of 60kWh flexible expansion

 Battery modular design, stacking plug-in installation, plug & play

 App real-time monitoring, support online remote OTA upgrade, easy operation and maintenance

Specification

Category	Item	EAH10KTH-S	EAH15KTH-S	EAH20KTH-S	
PV Input Parameter	Max. Input Power	20kW	30kW	30kW	
	Input Voltage Range	160-1000VDC			
	Rated Input Voltage	650VDC			
	MPPT Voltage Range	160-950Vdc(625-800V Full power)			
	Max. Input Current Per MPPT	16A / 16A	16A / 32A		
	Max. Short-Circuit Current Per MPPT	24A / 24A	24A / 48A		
	Number of MPPTs	2			
	Number of Input Strings Per MPPT	1/1	1/2		
Battery Input Parameter	Battery Type	Lithium battery			
	Voltage Range	650-980VDC			
	Max. Charge/Discharge Current	15.4A / 15.4A	23.1A / 23.1A	30.8A / 30.8A	
AC Input and Output(grid)	Power of Grid	15kVA	22.5kVA	30kVA	
	Max. Input Current	21.7A	32.6A	40A	
	Input Voltage Range & Frequency	320-480VAC, 50±5Hz / 60±5Hz			
	Rated Output Power	11kVA / 10kW	16.5kVA / 15kW	22kVA / 20kW	
	Rated Output Voltage	3/N/PE. 380VAC / 400VAC			
	Rated Output Frequency	50Hz / 60Hz			
	Rated Output Current	15.2A / 14.5A	22.8A / 21.7A	30.4A / 29A	
	Max. Output Current	16.7A / 15.8A	25.1A / 23.8A	33.5A / 31.8A	
	Power Factor	> 0.99 (0.8leading-0.8lagging)			
	THDi	≤3% (@Rated power)			
Generator Input	Max. Input Power	10kW	15kW	20kW	
	Max. Input Current	15.2A	22.8A	30.4A	
AC Output Parameter (back-up load)	Rated Output Power	10kVA / 10kW	10kVA / 10kW	20kVA / 20kW	
	Rated Output Voltage	3/N/PE. 380VAC / 400VAC			
	Rated Output Frequency	50Hz / 60Hz			
	Rated Output Current	15.2A / 14.5A	22.8A / 21.7A	30.4A / 29A	
	Max. Output Current	15.2A	22.8A	30.4A	
	THDv	≤3% (@Linear load)			
	Switching Time	≤10ms			
	Efficiency	Max. Efficiency	98.2%		
MPPT Efficiency		99.9%			
Others	Protections	Over/under voltage, over/under-frequency, over load, output short-circuit,over temperature,residual current monitoring unit, output overcurrent, insulation resistance, anti-islanding, surge protection			
	Surge Protection	DC Type II / AC Type III			
	Battery Modules Number	1	2	3	4
	Battery Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh
	Battery Cluster Number	3			
	Dimensions(W×D×H)(mm)	450×270×1250	450×270×1600	450×270×1950	650×270×2300
	Net Weight(kg)	120	175	230	285
	Parallel Operation	6 units			
	Topology	Non-isolated			
	IP Rating	IP66			
Standards	Operating Temperature	-25°C - 60°C			
	Cooling Mode	Atural cooling	Smart cooling		
	Altitude	3000m			
	Noise Level at 1m	≤25dB	≤45dB	≤50dB	
	Grid Connection	NC RFG+PTPIREE, VDE 0126, EN50549-1/10, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, PPDS, CEI 0-21			
	EMC	IEC/EN 62109-1/-2, IEC 62040-1, IEC6 2477, IEC 62619:2022, EN 61000-6-1/-2/-3/-4			

48V Low Voltage Battery Cabinet IP66 Stacked 5.12kWh



Stacking design for easy installation



IP 66 system protection rating



Module plug-and-play, automatic recognition



Flexible expansion of battery capacity

Lithium-ion Battery Module

Item	EHBS-P30-SL
General	
Battery Type	LiFePO4
Module Capacity	5.12kWh
System Capacity	5-30kWh, Expandable
Battery Cluster Number	6
Max. Cluster Number	2
Rated Voltage	48VDC
Voltage Range	41.6-57.6VDC
Max. Charge/Discharge Current	50A / 75A
Communication	RS485 / CAN
Dimensions(W×D×H)(mm)	600×380×230
Net Weight Per Module	52kg
IP	IP66
Operating Temperature	-25°C - 60°C
Cooling Mode	Natural cooling
Heating Mode	PTC heating
Altitude	3000m
Noise Level	< 20dB
Installation Method	Floor-mounted
Standards	
Safety Regulation	IEC 61000-1/3; IEC 62619: 2022; IEC 60730-1
EMC	IEC 61000-6-1, EN/IEC 61000-6-3
Transportation	UN 38.3

Battery Distribution Unit Specification

Item	PDU-SL
Parameter	
Max. Current	250A
Voltage Range	41.6-57.6VDC
Display Method	LED
Dimensions(W×D×H)(mm)	600×380×240
Net Weight (kg)	11kg
IP	IP66
Fixed Base Dimensions(W×D×H)(mm)	650×380×50

750V High Voltage Battery Cabinet IP 66 Stacked 5.12kWh



App real-time monitoring, supports online remote OTA upgrades, easy operation and maintenance



Stacking design for easy installation



High voltage batteries are equipped with built-in high efficiency DC-DC modules, making battery expansion more reliable

Battery Specification

Item	EHBS-P5-TH
General	
Battery Type	LiFePO4
Module Capacity	5.12kWh
System Capacity Range	5-30kWh, Expandable
Battery Cluster Number	4
Max. Cluster Number	3
Rated Voltage	750VDC
Voltage Range	600-1000VDC
Max. Charge/Discharge Current	3.4A / 5.5A
Communication	RS485 / CAN
Dimensions(W×D×H)(mm)	650× 270×370
Net Weight Per Module	55kg
IP	IP66
Operating Temperature	20°C - 55°C
Cooling Mode	Natural cooling
Heating Mode	PTC heating
Altitude	3000m
Noise Level	< 40dB
Installation	Floor-mounted
Standards	
Safety Regulation	IEC 62619 2022, ISO 13849, IEC/EN 62040-1, IEC/EN 62477, IEC62109-1/2
EMC	IEC 61000-6-1, EN/IEC 61000-6-3
Transportation	UN 38.3

Battery Distribution Unit Specification

Item	PDU-GU-Y/F
Parameter	
Max. Current	50A
Voltage Range	300-1000VDC
Indication	LED
Dimensions(W×D×H)(mm)	650×270×150
Net Weight	11kg
IP	IP66
Fixed Base Dimensions(W×D×H)(mm)	650×270×100

3-6kW Single-phase Hybrid Inverter



 IP66 all-aluminum chassis, adaptable to outdoor environment

 APP real time monitoring, easy maintenance

 High charge/discharge efficiency, compatible with lithium battery and lead-acid battery

 Outstanding off-grid output performance, adaptable to various non-linear load

 Flexibly settable charge/discharge time section and power, peak load shaving

Specification

Category	Item	EAHI-3000-SL	EAHI-3600-SL	EAHI-5000-SL	EAHI-6000-SL
PV Input Parameter	Max. Input Power	4680W		6500W	7800W
	Voltage Range	100-550VDC			
	Rated Input Voltage	360VDC			
	Min. Operating Voltage	150VDC			
	MPPT Voltage Range	100-540VDC			
	Max. Input Current Per MPPT	16A		16A / 16A	
	Max. Short-Circuit Current Per MPPT	24A		24A / 24A	
	Number of MPPTs	1		2	
Number of Input Strings Per MPPT	1		1/1		
Battery Input Parameter	Battery Type	Li-ion, Lead-acid battery			
	Voltage Range	42-58VDC, 48VDC(rated)			
	Charge Current	66A	75A	100A	100A
	Max. Discharge Current	66A	75A	100A	120A
	Charging Curve	3 Stages / Equalization			
	Lithium Battery Charging Strategy	BMS self-adaption			
AC Input Parameter (grid)	Grid Type	Single phase (L/N/PE)			
	Input Voltage Range & Frequency	184-276VAC, 50±5Hz / 60±5Hz			
	Max. Input Current	21.8A	26.2A	36.5A	40A
AC Output Parameter (grid)	Rated Output Power	3000VA / 3000W	3600VA / 3600W	5000VA / 5000W	6000VA / 6000W
	Grid System Mode	Single phase (L+N+PE)			
	Rated Output Voltage & Frequency	220VAC / 230VAC, 50Hz / 60Hz			
	Rated Output Current	13.6A / 13.0A	16.4A / 15.7A	22.7A / 21.8A	27.3A / 26.1A
	Max. Output Current	13.6A	16.4A	22.7A	27.3A
	Power Factor	> 0.99 (0.8leading-0.8lagging)			
	THDi	≤3% (@Linear load)			
	THDv	≤3% (@Linear load)			
AC Output Parameter (back-up)	Rated Output Power	3000VA / 3000W	3600VA / 3600W	5000VA / 5000W	6000W / 6000W
	Output System Mode	Single phase (L+N+PE)			
	Rated Output Voltage	230VAC (208/220/240VAC settable)			
	Rated Output Frequency	50Hz / 60Hz			
	Rated Output Current	13.0A	15.7A	21.8A	26.1A
	Max. Output Current	14.4A	17.3A	24.0A	28.8A
	THDv	≤3% (@Linear load)			
	Transfer Time	≤10ms			
Efficiency	Max Efficiency	97.8%			
	MPPT Efficiency	99.9%			
Protection	Protection	Over/under voltage, over/under-frequency, over load, output short-circuit, over temperature, residual current monitoring unit, output over-current, insulation resistance, anti islanding, surge protection			
	Output Overvoltage Protection	DC Type II/AC Type III			
Others	Communications	RS485, WIFI			
	Dimensions(W×D×H)(mm)	548×197×440			
	Net Weight(kg)	21.4		24.8	
	Topology	High frequency isolation (for battery)			
	IP Rating	IP66			
	Operating Temperature	-25°C - 60°C (derated at > 45°C)			
	Cooling Mode	Natural cooling			
	Altitude	4000m			
	Noise Level at 1 m	≤25dB			
	Installation Mode	Wall-mounte			
Standards	Safety Regulatio	IEC/EN 62109-1/-2, AS62109			
	EMC	EN 61000-6-1/-2/-3/-4			
	Grid Connection	CEI 0-21, DIN VDE V 0124-100: 2020, VDE-AR-N 4105: 2018, AS4772.2, NRS097-2-1, EN 50549-1			

10-12kW Single-phase Hybrid Inverter



 Supports PV inverter, generators, and microgrid inputs, suitable for new and modified photovoltaic and microgrid systems

 Supports multiple inverters with EPS output in parallel, and can be expanded to small industrial and commercial applications

 Support RSD and AFCI optional configurations to provide system protection

 Mains and PV input power oversized at a ratio of 1.5, resulting in a more stable system operation

 App real-time monitoring, supports online remote OTA upgrades, easy operation and maintenance

Specification

Category	Item	EAHI10KSL	EAHI12KSL
PV Input Parameter	Max. Input Power	18kW	18kW
	Voltage Range	100-550VDC	
	Rated Input Voltage	360VDC	
	Start-Up Voltage	150VDC	
	MPPT Voltage Range	100-540VDC	
	Full Power MPPT Voltage Range	300-500V	
	Max. Input Current Per MPPT	30A / 30A	
	Max. Short-Circuit Current Per MPPT	40A / 40A	
	MPPT Voltage Range	2	
	Number of Input Strings Per MPPT	2/2	
Battery Input Parameter	Battery Type	Li-ion, Lead-acid battery	
	Voltage Range	42-58VDC	
	Max. Charge/Discharge Current	180A / 180A	250A / 250A
AC Input and Output Parameter (grid)	Max. Apparent Power of Grid	15kVA	18kVA
	Max. Input Current	68.2A	81.8A
	Input Voltage Range	184-276VAC	
	Input Frequency Range	50±5Hz	
	Rated Output Power	10kVA / 10kW	12kVA / 12kW
	Rated Output Voltage	1/N/PE, 220VAC / 230VAC	
	Rated Output Frequency	50Hz	
	Rated Output Current	45.5A / 43.5A	54.5A / 52.2A
	Power Factor	> 0.99 (0.8leading-0.8lagging)	
	THDi	≤3% (@Rated power)	
AC Output Parameter (back-up)	Rated Output Power	10kW	12kW
	Max. Apparent Power	10kVA	12kVA
	Rated Output Voltage	1/N/PE, 220VAC / 230VAC	
	Rated Output Frequency	50Hz	
	Rated Output Current	45.5A / 43.5A	54.5A / 52.2A
	Max. Output Current	45.5A	54.5A
	THDv	≤3% (@Linear load)	
	Switching Time	≤20ms	
Efficiency	Max. Efficiency	97.8%	
	MPPT Efficiency	99.9%	
Protection	Protection	Over/under voltage, over/under-frequency, over load, output short-circuit, over temperature, residual current monitoring unit, output over-current, insulation resistance detection, anti islanding, surge protection	
	Surge Protection	DC Type II/AC Type III	
Others	Dimensions(W×D×H)(mm)	450×270×600	
	Net Weight(kg)	45	
	Topology	High frequency isolation(for battery)	
	IP Rating	IP66	
	Operating Temperature	-25°C - 60°C	
	Cooling Mode	Smart cooling	
	Altitude	3000m	
	Noise Level at 1 m	≤55dB	
Standards	Installation Mod	Wall-mounted	
	Safety Regulation	IEC/EN 62109-1/-2, AS62109	
	EMC	EN 61000-6-1/-2/-3/-4	
	Grid Connection	NRS097-2-1: 2017	

10-20kW Three-phase Hybrid Inverter



 Supports PV inverter, generators, and microgrid inputs, suitable for new and modified photovoltaic and microgrid systems

 Mains and PV input power oversized at a ratio of 1.5, resulting in a more stable system operation

 App real-time monitoring, supports online remote OTA upgrades, easy operation and maintenance

 Support RSD and AFCI optional configurations to provide safer protection for the system

 Supports multiple inverters with EPS output in parallel, and can be expanded to small industrial and commercial applications

Specification

Category	Item	EAH10KTH	EAH15KTH	EAH20KTH
PV Input Parameter	Max. Input Power	20kW	30kW	30kW
	Voltage Range	160-1000VDC		
	Rated Input Voltage	650VDC		
	Start-Up Voltage	180VDC		
	MPPT Voltage Range	160-950VDC		
	Full Power MPPT Voltage Range	625-800V		
	Max. Input Current Per MPPT	16A / 16A	16A / 32A	
	Max. Short-Circuit Current Per MPPT	24A / 24A	24A / 48A	
	Number of MPPTs	2		
	Number of Input Strings Per MPPT	1/1	1/2	
Battery Input parameter	Battery Type	Lithium battery		
	Voltage Range	150-600VDC		
	Max. Charge/Discharge Current	50A / 50A		
AC Input and Putput Parameter (grid)	Max. Apparent Power of Grid	15kVA	22.5kVA	30kVA
	Max. Input Current	22.8A	34.2A	40A
	Input Voltage Range	320-480VAC		
	Input Frequency Range	50±5Hz / 60±5Hz		
	Rated Output Power	11kVA / 10kW	16.5kVA / 15kW	22kVA / 20kW
	Rated Output Voltage & Frequency	3/N/PE. 380VAC / 400VAC, 50Hz / 60Hz		
	Rated Output Current	15.2A / 14.4A	22.8A / 21.7A	30.4A / 29A
	Max. Output Current	16.7A / 15.8A	25.1A / 23.8A	33.5A / 31.8A
	Power Factor	> 0.99 (0.8leading - 0.8lagging)		
	THDi	≤3% (@Rated power)		
AC Output (back-up load)	Rated Output Power	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW
	Rated Output Current	15.2A / 14.4A	22.8A / 21.7A	30.4A / 29A
	Max. Output Current	15.2A	22.8A	30.4A
	THDv	≤3% (@Linear load)		
	Switching Time	≤20ms		
Efficiency	Max. Efficiency	97.8%		
	MPPT Efficiency	99.9%		
Protection	Protection	Over/under voltage, over/under-frequency, over load, output short-circuit, over temperature, residual current monitoring unit, output over-current, insulation resistance detection, anti islanding, surge protection		
	Surge Protection	DC Type II/AC Type III		
Others	Dimensions(W×D×H)(mm)	500× 270×660		
	Net Weight(kg)	41		
	Parallel Operation	Supports 6 units in parallel connection		
	Topology	Non-isolated		
	IP Rating	IP66		
	Operating Temperature	-25°C - 60°C		
	Cooling Mode	Natural cooling	Smart cooling	
	Altitude	3000m		
	Noise Level (1m)	≤25dB	≤45dB	≤50dB
	Installation Method	Wall-mounted		
Standards	Safety Regulatio	VDE 0126, En50549, DIN VDE V 0124-100: 2020, VDE-AR-N 4105: 2018		
	EMC	IEC/EN 62109-1/-2		
	Grid Connection	EN 61000-6-1/-2/-3/-4		

System Accessories for Energy Storage System

Communication Stick



- The collection rod integrates multiple protocols and can be applied to photovoltaic inverters and other aviation plug devices.
- Local monitoring through WiFi.

Item	Communication
WiFi Wireless Parameter	
Wireless Standards	802.11b/g/n
Frequency Range	2.412GHz - 2.484GHz
Transmit Power	802.11b: +16+/-2dBm(@11Mbps) 802.11g: +14+/-2dBm(@54Mbps) 802.11n: +13+/-2dBm(@HT20,MCS7)
Receiving Sensitivity	802.11b: -87dBm(@11Mbps) 802.11g: -74dBm(@54Mbps) 802.11n: -71dBm(@HT20,MCS7)
Antenna	Onboard PCB Antenna
Bluetooth Features	
Protocol	Bluetooth 5.2
Output Power	(Max. 15dBm)
Transmit Power	6dBm
Receiving Sensitivity	-95Bm
Onboard PCB Antenna	
Frequency	GPRS: 900/1800MHZ WIFI: 2.4GHZ
SWR	2.0MAX
Input Resistance	50Ω
Gain	2dBi
Operating Temperature	-20°C - 70°C
Antenna Color	Black
Interface	SMA

Smart Electricity Meter



- Energy efficient, power consumptions 2W
- Integrates smoothly with EAST devices, no need for setup
- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- 100 ms data refresh rate, instantaneous data feed

Item	DDS3366D	YDM201D	DTSD3366 M-4-W1-A	DDS3366D-J
Specification				
Dimensions(W×D×H)(mm)	90×63×72	100×65×36	76.5×63.5×72	100×70×36
Installation Method	DIN 35mm			
Weight(kg)	0.382	0.17	0.2	0.15
Power Supply				
Grid Type	1P2W	1P2W	3P4W	1P2W
Input Voltage	176-276VAC	176-276VAC	176-276VAC	176-276VAC
Power Consumption	< 2W	≤1.5W	≤1.5W	< 1.5W
Measuring range & Measuring accuracy				
Voltage	176-264VAC	176-264VAC	304-456VAC	176-264VAC
Voltage Accuracy	±0.5%			
Current	0-80A	0-80A	0-120A	0-60A
Active Power/Current	±1%			
Frequency Accuracy	±0.02Hz			
Communication				
Communication Port	RS-485			
Communication Protocol	ModBus-RTU			
Baud Rate	1200/4800/9600/19200/38400(factory default 9600bps)			
Operating Temperature Range	-20°C - 50°C	-25°C - 55°C	-10°C - 50°C	20°C - 55°C
Storage and Transport Temperature Range	-40°C - 70°C	-40°C - 85°C	40°C - 70°C	-40°C - 70°C
Working Relative Humidity	40%-60%RH	0%-85%RH (no condensation exposure)	0%-85%RH	20%-75%RH

Smart Energy Management System for Energy Storage System



Provide multi-level data statistics for agents, regions, power station, etc.



Provide various types of system logs to locate the cause of a problem on SCADA, PC, APP accurately



Intelligent optimization, remote control, improving system maintenance process.



Offer the advantages of comprehensive inverter technology providing strong and Intelligent O&M management

Project Cases



Sanmenxia 50MW/100MWh Shared Energy Storage Project



Inner Mongolia Dengkou County 40MW/80MWh PV Plus Energy Storage Project



Western China (Chongqing) Science City Xiyong Comprehensive Bonded Zone 100MW/200MWh Grid Side Centralized Energy Storage Power Plant



Tianhe Bazhou Energy Yuli County 100MW PV Plant Plus Energy Storage Project



Gansu Wind Power Plant 180MW/720MWh Energy Storage System



Jiangsu Kunshan 3MW/22.5MWh Energy Storage Power Plant