



**BABA product option available**

# Energy Storage and Charging Integrated Charger

200 kW | TP-EVPD-200KW-UL-104KWH

Floor mounted

# Specifications

200 kW

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## Overall system

Battery system energy	104 kWh
Dimension (W X D X H)	66.93"×55.12"×86.81" (1700 mm×1400 mm×2205 mm)
Weight	5291.1 lbs. (2400 kg)
Degree of protection	The battery pack is IP67
Operating temperature	-20°C ~ 60°C
Noise	<75 dB
Assembly method	The upper and lower layers can be separated

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## Energy storage system

Cells	LiFePO4
Nominal voltage	665.4 V
Single phase charging power	Max 7 KW @220 V32 A
Three-phase charging power	Max 80 KW @380 V63 A
DC charging range	DC 200 ~ 750 V
Battery charge rate	≤0.6C
Battery discharge rate	≤1C
Battery efficiency	Nominal ≥ 96%

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## PV input

MPPT/30 KW	PV/DC200 ~ 850 V
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## Charging system

Connectors quantity	2
Maximum charging power	100 KWx2(double connectors) 200 KW(single connectors)
Charge distribution	Dynamic switching
Charging voltage range	200 V ~ 1000 V
Efficiency	≥96.5%

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## Ammeter

AC test	AC meters
AC test	Dual DC meters

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## Cooling system

Battery pack	Liquid cooling
Charging module	Air cooling
Charging cable	Air cooling

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## Display

Screen size (Touch support)	32" (embedded)
LED indication	Battery SOC indication

# Specifications

200 kW

## Input & Output

Input voltage	3Phase400 V AC +/-15%
Circuit breakers	Type A
Frequency	50 Hz±1Hz
Output voltage range	150 V DC ~ 1000 V DC
Constant power voltage output range	200 V DC ~ 1000 V DC
Output power (AC+ battery)	160 kW + 52 kW
Output power (DC off-grid mode only)	52 kW
Output power (Battery loss)	160 kW
Output current	350 A CCS1 (250 optional)   350 A NACS
PV photovoltaics	Input voltage range: 300 ~ 825 V DC Maximum input power: 30 KW

## Additional features

Off-grid function	Ability to charge an electric vehicle during a power outage. Ability to provide energy to AC loads during power outages.
IP protection	IP54

## Environmental parameters

Place of use	Outdoors
Operating temperature	-25°C ~ 55°C(over 45°C derating)
Storage temperature	Soc 30% ~ 60% Long-term: -20°C ~ 35°C<12 months Short-term: -20°C ~ 45°C<3 months
Humidity	5% to 95% no condensation
Altitude	≤6561ft (2000m)
Noise	75 dB ≤ nominal
EMC	Class B
Medium	No explosion hazard; No toxic and harmful gases

## Standard

Safety& Compliance	U.S.: US:UL2202, UL2231-1, UL2231-2, UL991, UL1973 (battery pack), FCC part 15 ; Class A (U.S.) Canada: CSA 107.2 CE & IEC expected complete 2022
Battery	IEC 62619, IEC61000
System	IEC 62619, IEC61851, IEC62477, IEC61000,EN 301908-1. EN 300330 ENIEC 62311:2020, IS015118

## Communication

Networking	4G/WIFI
User authentication and payment	RFID, PIN code, QR code + smartphone, credit card (optional)
BMS supply voltage	12 V/DC
Security	Anti-theft door lock/access switch Immersion test/check power failure
Communication protocols	OCPP 1.6J & OCPP2.0.1