

# Energy Storage & Charging Integrated Charger 280kW/208kWH

 Datasheet

2025



Reliable

Product  
Reliability

99%

Cloud Enabled

Monitoring &  
Assistance

24/7








Built To Last






Service  
Life

10Y

## Key Features

- 208kWh integrated battery, with 80kW AC input
- Dual tethered connectors allow for simultaneous charging of two vehicles
- Remote software updates and diagnostics
- Seamless integration with OCPP 1.6J / 2.0 / 2.0.1 protocol
- Supports multiple payment options — app, RFID, credit card, and smartphone payments
- Three-phase connection
- Supports multiple output options: CCS2, GBT and CHAdeMO
- 3-year warranty with an optional 2-year extension

 OVERALL SYSTEM	Battery System Energy	208kWH
	Dimensions	70.87" x 53.15" x 91.63" (1800mm x 1350mm x 2327mm)
	Weight	5291.1 lbs (2400 kg)
	Degree of Protection	The battery pack is IP67
	Operating Temperature	-20°C ~ 60°C
	Noise	< 75dB
 ENERGY STORAGE	Assembly Method	The upper and lower layers can be separated
	Cells	LiFePO4
	Nominal Voltage	665.4 V
	Single Phase Charging Power	Max 7kW @220 V32A
	Three Phase Charging Power	Max 80kW @380 V63A
	DC Charging Range	DC 200 ~ 750V
	Battery Charge Rate	≤ 0.6C
	Battery Discharge Rate	≤ 1C
	Battery Efficiency	Nominal ≥ 94.5%
 PV INPUT	MPPT/30kW	PV/DC 200 ~ 850 V
	Connectors Quantity	2
 CHARGING SYSTEM	Maximum Charging Power	100kW x 2 (double connectors), 200kW (single connectors)
	Charge Distribution	Dynamic switching
	Charging Voltage Range	200V ~ 1000V
	Efficiency	≥ 96.5%
 AMMETER	AC Test	AC meters
	AC Test	Dual DC meters
 COOLING SYSTEM	Battery Pack	Liquid cooling
	Charging Module	Air cooling
	Charging Cable	Air cooling
 DISPLAY	Screen Size (Touch Support)	32" (embedded)
	LED Indication	Battery SOC indication

 INPUT & OUTPUT	Input Voltage	Three-Phase 400V AC ( $\pm 15\%$ )
	Circuit Breakers	Type A
	Frequency	50Hz $\pm 1$ Hz
	Output Voltage Range	150V DC ~ 1000V DC
	Constant Power Voltage Output Range	200V DC ~ 1000V DC
	Output Power (AC + Battery)	80kW + 200kW
	Output Power (DC off-grid mode only)	200kW
	Output Power (Battery Loss)	80kW
	Output Current	350A CCS2 (250 optional)
	PV Photovoltaics	Input Voltage Range: 100V DC ~ 825V DC Maximum Input Power: 30kW
 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 ~ 50°C (over 45°C derating) SOC 30% ~ 60%
	Storage Temperature	Long-Term: -20°C ~ 35°C <12 months Short-Term: -20°C ~ 45°C <3 months
	Humidity	5% ~ 95% no condensation
	Altitude	$\leq 6561$ ft (2000m)
	Noise	75dB $\leq$ nominal
	EMC	Class B
	Medium	No explosion hazard; No toxic and harmful gases
 SAFETY	Input Protection	Under-voltage protection, Over-voltage protection, Over-current protection Over-temperature protection, Leakage protection Lightning protection, Short-circuit protection
	Output Protection	Short circuit protection, Overheat protection Communication fault protection, Leakage protection, Over-current protection
	Fail-Safe	Set emergency stop button, Leakage protection function High-precision output insulation monitoring function
 STANDARD	Special Protection Fail-Safe	IP54 protection against salt spray, moisture, dust, virus and UV rays
	Battery	IEC 62619, IEC 61000
	System	IEC 62619, IEC 61851, IEC 62477, IEC 61000 EN 301908-1, EN 300330, ENIEC 62311:2020, ISO 15118