

Stars CL289Pro



125kW / 289kWh Liquid-Cooled C&I ESS Cabinet
with Integrated PCS

More Energy per Cabinet. More Value on Every Site.

CE-Certified | EU-Compliant | Grid-Ready for European C&I Projects

◆ Key Differentiators

125kW / 289kWh All-in-One ESS

Integrated PCS, battery system, EMS, liquid cooling and safety architecture in one cabinet.

Higher Capacity in the 125kW Class

More energy in one cabinet to support longer-duration use and higher site-level storage capacity.

Better Site Utilisation

Higher single-cabinet capacity helps reduce space pressure, simplify layout and improve project flexibility.

Distinctive Rounded Cabinet Design

A modern soft-rounded appearance for commercial buildings, business parks, EV charging hubs and visible project sites.



◆ Customer Value

Lower Energy Costs

Higher Solar Self-Consumption

Reduced Grid Stress

Simplified Installation & Operation

European Market Readiness

◆ Typical Applications

C&I Peak Shaving

Solar + Storage

EV Charging Stations

Factories & Industrial Parks

Commercial Buildings

Microgrids & Hybrid Energy Systems

Telephone

+86-731 **8256 6160** (CHN) / +65 **9622 5139** (SGP) / +1 (0) **949 678 2338** (USA)

ADD:

CHN - 38th Floor, North Tower, Jinmao Plaza, Yuelu District, Changsha City, Hunan Province, China

SGP - No.79 Lenton Street, Singapore 786789

USA - 5900 Balcones Drive Suite 100 Austin TX, 78731 USA

ITA - Via Messina 17, 20154 - Milano (MI) - IT

DEU - Am Kronberger Hang 2, 65824 Schwalbach am Taunus, Germany

WhatsApp

+86 **181 7589 6293**

<https://www.wenergystorage.com>

E-mail: export@wenergypro.com

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◆ Product Parameters

	Model	Stars CL289Pro
System Parameters	Battery Type	LFP 314Ah
	Rated Capacity	289kWh
	Cooling Type	Liquid Cooling
	IP Protection Level	IP55
	Corrosion-proof Grade	C4H
	Fire Suppression System	Aerosol
	Noice	< 75dB (1m Away from the System)
	Dimension	(1588±10)*(1380±10)*(2450±10)mm
	Weight	3050±150kg
	Working Temp. Range	-30°C~55°C (Derating When > 45°C)
	Relative Humidity Range	0~ 95 % (Non-condensing)
	Communication Interface	RS485 / CAN
	Communication Protocol	Modbus TCP
	Cycle Life	≥8000
	System Certification	IEC 62619, IEC 60730-1, IEC 63056, IEC/EN 61000, IEC 60529, IEC 62040 or 62477, RF/EMC, UKCA (IEC 62477-1), UKCA (CE-EMC Transfer), UN 38.3
	Max. Efficiency of System	> 89%
	Quality Guarantee	≥5 Years
	EMS	Built-in
	Application Scenarios	New Energy Generating, Distributed Generating, Micro-grid ESS, EV Charge, City ESS, Industrial & Commercial ESS, etc.
DC Battery Parameters	Rated Voltage	921.6V
	Voltage Range	720~1000V
	Charge & Discharge Ratio	0.5P
AC Side Parameters	Rated AC Voltage	400V
	Rated Output Frequency	50/60Hz
	Rated Power	125kW
	Rated Current	182A
	Max. AC Power	150kW (60S 25°C)
	AC/DC Converter Grid-connected Certification	GB/T 34120-2017, GB/T 34133CE, EN50549-1:2019+AC.2019-04, CEI 0-21, CEI 0-16, NRS097-21-1:2017, EN50549, C10/11:2019, EN50549-1&10, G99, VDE-AR-N 4105, VDE-AR-N 4110, VDE-AR-N 4120, UNE 217002, UNE 217001, NTS631, TOR Erzeuger, NRS 097-2-1

