

Stars Series Cabinet ESS

Your All-in-One
BESS Solution

Optional MPPT, STS, ATS,
and Charging Gun Integration

96 / 144 / 192kWh

Integrated PV, ESS, Diesel,
and EV Charging Capabilities

215 / 258 / 289 / 385kWh

90% System Efficiency
Advanced Protection System
Instant Fire Safety
Smart Monitoring
Flexible Integration



Stars 258/289/385 kWh



Stars 96/144/192 kWh



◆ Product Parameters

Model	Stars CL192Pro - 125		
Rated Energy	96.46kWh	144.69kWh	192.92kWh
DC Voltage Range	240~350.4V	360~525.6V	480~700.8V
Rated Power	125kW		
AC Rated Voltage	400V		
Rated Output Frequency	50Hz		
IP Protection Grade	IP55		
Corrosion-proof Grade	C4H		
Cooling Type	Liquid Cooling		
Noise	<75dB（1m Away from System）		
Dimension(W*D*H)	(1800±10)*(1435±10)*(2392±10)mm		
Communication Interface	Ethernet		
Communication Protocol	Modbus TCP/IP		
System Certification	IEC 62619, IEC 60730-1, IEC 63056, IEC/EN 62477, IEC/EN 61000, UL1973, UL 9540A, CE Marking, UN 38.3, TÜV Certification, DNV Certification		
*Standard: PCS、DCDC Optional: MPPT (60kW)、STS、ATS、AC EV Charger (22kW*2)			

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Stars Series Cabinet ESS



◆ Product Parameters

Model	Stars CL215	Stars CL258Pro	Stars CL289Pro	Stars CL385Pro
System Parameters				
Battery Type	LFP 280Ah	LFP 280Ah	LFP 314Ah	LFP 314Ah
Rated Capacity	215kWh	258kWh	289kWh	385kWh
Cooling Type	Liquid Cooling			
IP Protection Level	IP55			
Corrosion-proof Grade	C4H			
Fire Suppression System	NOVEC 1230 or FM-200 (Optional)	Aerosol		
Noice	75dB	< 75dB (1m Away from the System)		
Dimension	935*1250*2380mm	(1588±10)*(1380±10)*(2450±10)mm		1578mm*1380*2500mm
Weight	2700±100kg	2950±150kg	3050±150kg	≤3900kg
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/CAN2.0	Modbus TCP		
Cycle Life	≥6000	≥8000	≥8000	≥10000
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), UL1973 ^[1] , UL9540A ^[1] , UN 38.3			
Max. Efficiency of System	86%	> 89%	> 89%	> 93%
Quality Guarantee	3 Years	≥5 Years		
EMS	Local Control	Built-in	Built-in	External
Application Scenarios	New Energy Generating, Distributed Generating, Micro-grid ESS, EV Charge, City ESS, Industrial & Commercial ESS, etc.			
DC Battery Parameters				
Rated Voltage	768V	921.6V	921.6V	1228.8V
Voltage Range	672~864V	720~1000V	720~1000V	960~1401.6V
Charge & Discharge Ratio	0.5P			
AC Side Parameters				
Rated AC Voltage	400V	400V	400V	/
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz	/
Rated Power	100kW	125kW	125kW	/
Rated Current	144A	182A	182A	/
Max. AC Power	120kW (60S 25°C)	150kW (60S 25°C)	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			

[1]. UL1973 and UL9540A are for Stars CL385Pro only.