

Star Series Cabinet ESS



96 / 144 / 192kWh

Integrated PV, ESS, Diesel, and EV Charging Capabilities

215 / 258 / 289 / 385kWh

High Integration

Safe and Reliable

Efficient and Flexible

Smart and Friendly

iBMS

SOC Correction Algorithm

Cloud Security Warning

Temperature Management



◆ Product Parameters

Energy Storage & EV Charging Cabinet

Model	Star 192 (Integrated Solar, Storage, and Diesel Charging System)		
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	IP54		
Corrosion-proof Grade	C4H		
Cooling Type	Liquid Cooling		
Noise	<65dB (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	GB/T 36276, GB/T 34131, GB/T 34120, UL1973, UN38.3, IEC/EN 62477, IEC/EN 62619, IEC/EN 63056		
*Standard: PCS、DCDC Optional: MPPT、STS、ATS、Charging Pile			

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Star Series Cabinet ESS



◆ Product Parameters Energy Storage Cabinet

Model	Star 215	Star 258	Star 289	Star 385
System Parameters				
Battery Type	LFP 280Ah	LFP 280Ah	LFP 314Ah	LFP 314Ah
Rated Capacity	215kWh	258kWh	289kWh	385kWh
Rated Power	100kW	125kW	125kW	/
Cooling Type	Liquid Cooling			
IP Protection Level	IP54			
Corrosion-proof Grade	C4H			
Fire Protection System	Perfluoro / HFC-227ea (Optional)			
Noice	75dB	< 65dB (1m Away from the System)		
Dimension (W*D*H)	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℃~55℃ (Derating When > 45℃)			
Relative Humidity Range	0~ 95 % (Non-condensing)			
Communication Interface	RS485 / CAN			
Communication Protocol	Modbus TCP/CAN2.0	Modbus TCP		
Cycle Life	≥6000	≥8000	≥10000	≥10000
System Certification	GB/T 36276, GB/T 34131, GB/T 34120, IEC62619, UL1973, UL9540A, UN 38.3, IEC/EN 61000			
Max. Efficiency of System	86%	> 89%	> 89%	> 93%
Quality Guarantee	3 Years	≥5 Years		
EMS	Local Control	Possess	Possess	Not Possess
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			
Max. Input DC Power	100kW	125kW	135kW	/
AC Side Parameters				
Rated AC Voltage	400V	400V	400V	/
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz	/
Rated Power	100kW	125kW	135kW	/
Rated Current	144A	182A	196A	/
Max. AC Power	120kW (60S 25℃)	150kW (60S 25℃)	162kW (60S 25℃)	/
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, AS 4777.2			