

YL-209KWH-120KW-A1



YL-209KWH-120KW-A1 is a mobile energy storage system (ESS) with an electric vehicle charger, including lithium iron phosphate battery, DC charger, fire protection system, air conditioning, etc. It is an integrated energy storage system with BMS/ACDC/DCDC/EMS functions.

And it supports recharging ESS with AC/diesel generators or DC chargers

YL-209KWH-120KW-A1

Basic Parameter	Product Specification	Type	DC charging station with Battery
		Dimension	2037mm*1199mm*1860mm
		Installation	On ground
		Materia	Industrial Grade Alloy
		Color	White weather-resistant coating
		Weight	2300kg
	Energy-Storage-System	Battery Capacity	209kWh /LFP
		Usable Energy (SAT)	185 kWh
		Max. recharge Power	80kW
		Battery Charging Rate	≤0.5C
		Battery Discharge Rate	≤1C
		Battery Efficiency	≥94.5% under normal situation
		IP Ranking	IP55
	Charging System	Connectors	2
		Power Distribution	2 connectors intelligent distribution
		Charging Power	120kW
		Cable	200A, 5m, CCS2 (250A optional)
		Charging Voltage	300V~1000V
		Efficiency	≥96.5%
Meter	AC Side	AC meter	
	DC Side	2-access DC meter	
Cooling System	Battery Cooling	Liquid-cooled	
	Power Modules	Air-cooled	
	Cable Cooling	Air-cooled	
User Interface	Display Size	7 Inch	
Payment System		RFID, credit card	
Connectivity		GSM & LTE & LAN	
Communication		OCPP 1.6J	
Photovoltaics Input		00-825VDC, Max 76kW	
Environment Parameter	Applicable Site	Outdoors	
	Ambient Temperature	-25℃-50℃ (over 45℃ derating)	
	Humidity	≤95% , No condensation	
	Altitude	≤2000m	
	EMC Emission	Type A	
	Medium	No explosive hazardous, No toxic & harmful gases.	
	Interference	Without strong vibration and shock, no strong electromagnetic interference	
Input & Output	Input Voltage	3Phase 400VAC ± 15%/50Hz	
	Input Current	120A max	
	Output Voltage Range	150VDC-1000VDC	
	Constant-Power Voltage Output Range	300VDC-1000VDC	
	Nominal Power Output	120kW	
	Current Output	200A/250A CCS2 continuously	
	Output AC 1	2kw/10A/230VAC± 15%/50Hz	
	Output AC 2	7kw/32A/230VAC± 15%/50Hz/CEE plug	
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, over-temperature protection, communication fault protection, leakage protection, over-current protection	
	Emergency Protection	Set emergency stop button, leakage protection function, high-precision output insulation monitoring function	
	Special Protection	IP54 protection level, anti-salt dew, moisture-proof, anti-toxic and anti-ultraviolet	
Standard	Battery	IEC 62619, IEC61000	
	System Level	IEC 62619, IEC61851, IEC62477, IEC61000, ISO15118	