

Liquid Cooling C&I Energy Storage Cabinet

MEGAESSOSR261K (With hybrid inverter)

MEGAESSOSR261K (With hybrid inverter) uses advanced Hybrid Electrolyte Solid State LFP, battery capacity of 314Ah, not only has a long life, but also has the dual guarantee of high efficiency and safety. With a storage capacity of up to 261kWh and a wide system voltage range, the system can flexibly adapt to various industrial and commercial needs. It supports 8 sets in parallel.

Features

- **Compact**
1.5m² footprint only, easy transportation & fast installation
- **High Integration**
261kWh energy in one cabinet with remarkable endurance
- **Efficient Cooling**
Optimized in-PACK duct design ensures high-efficiency cooling with reduced energy consumption
- **Long Cycle Life**
Over 8000 cycles, providing excellent long-term battery performance
- **Versatile**
Support multiple brands of hybrid inverter, with higher selectivity
- **Ultimate Safety**
In-PACK fire warning and protection with aerosol, prevent heat diffusion and runaway



Application Scenario: School, Hospital, Hotel

**The inverter needs to be selected by the user according to their own requirements. The product does not come with inverter by default.*

PRODUCT PARAMETERS

Battery Parameter	MEGAESSOSR261K (With hybrid inverter)
Cell type & capacity	Hybrid Electrolyte Solid State LFP 3.2 V 314 Ah
Pack Configuration	1P52S / 52.25 kWh
System Configuration	1P260S
Nominal Voltage DC	832 V
Nominal voltage range	728 ~ 936 Vdc
System capacity	261.25 kWh
Temperature Detection	Battery cell + Module + Terminals
PV parameter	
Maximum PV component power	240 kW
Rated input voltage	600 V
Starting voltage	180 V
MPPT voltage range	150V ~ 950 V
Maximum input current	42A*10
MPPT quantity/maximum number of input string channels	10 / 20
AC Side On-grid Parameter	
Rated Output Power	125 kW (@50°C)
Maximum Output Power	137.5 kW
Rated grid voltage range	400 V (340 ~ 449 VDC)
Frequency range	50 Hz / 60 Hz ±5 Hz
Rated AC output current	182 A
Power Factor	> 0.99
Harmonics	< 3% (Linear Load)
Grid type	3P4W
AC Side Off-grid Parameter	
Rated Output Power	125 kW (@50°C)
Rated grid voltage range	400 V (340-449VDC)
Frequency range	50 Hz / 60 Hz ± 5 Hz
THDu	< 3% (Linear Load)
DC Injection	< 1% Un (Balanced Linear Load)
Overload	
Overload Capacity	Operate for a long time at 1.1 times (137.5kW, 45°C) Operate for less than 1 minute at 1.2 times of the rated load
Efficiency	
Rated Round-trip Efficiency	≥ 88.7%
Maximum Round-trip Efficiency	90.80%
General Parameter	
Dimension (W*D*H)	1000*1350*2385 mm
Max. weight	2.6 t
IP Rating	IP67 (Battery cabinet), IP54 (Electrical cabinet)
Cooling method	Liquid Cooling
Fire fighting system	Rapid type aerosol fire extinguishing device
Anti-corrosion grade (optional)	C4 / C5 (The default is C4)
Operating temperature	-25°C ~ 55°C
Altitude	≤ 2000 m
Communication	
Communication Interface	RS485, DIO, Ethernet
Communication Protocol	Modbus-RTU, Modbus-TCP, DL/T645
Cloud Platform	Megalion Cloud Platform (Default), Support third-party cloud platforms
Certifications	
System: CE (EN61000; IEC62477); IEC62619; IEC62040-1; UN38.3; Cell: IEC62619, UL1973, UL1642, UL9540A, UN38.3; Converter: G99, VDE4105, EN50549-1, CE (EN61000, IEC62477), OVE-Richtlinie+R+25, NRS 097-2-1, GB/T34120	

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