

Na 8200/LV

51.2V 160Ah Rack-Mounted Sodium Ion Battery

NFPP Sodium-ion Cells High Safety

Built on 160Ah NFPP sodium-ion prismatic cells with high thermal stability and low heat generation, delivering zero fire and explosion risk, exceptional safety in extreme environments, and reduced thermal management costs.

Extended Cycle Life

Over 15,000 cycles at 25°C ambient temperature with 80% depth of discharge (DOD). With a service life of up to 20 years, it lasts twice as long as conventional lithium batteries.

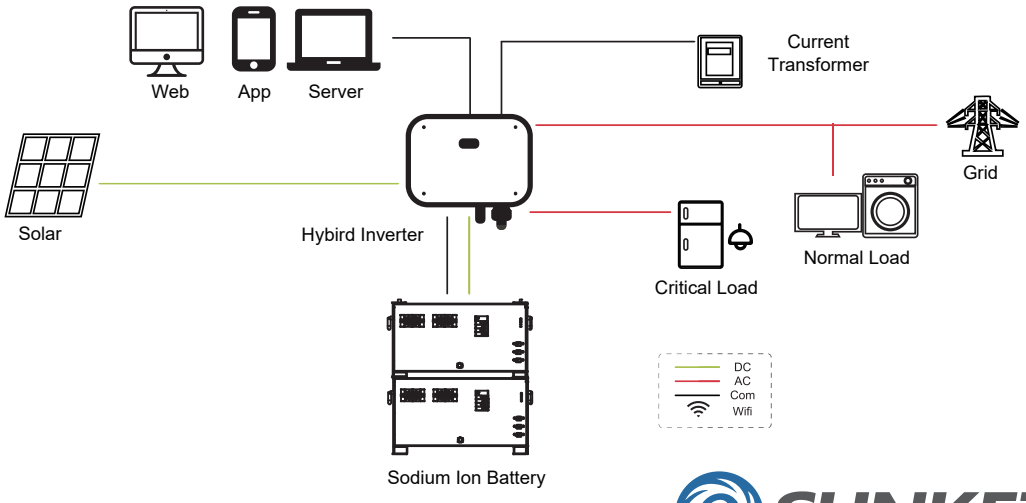
Ultra-Wide Operating Temperature Range

Stable operation from -40°C to 60°C. Discharge capacity retention exceeds 90% at -40°C, and discharge energy retention still exceeds 92% after 20 months of full-charge storage at 60°C.

High Rate Capability with Strong Power Response

Supports power pulses and instantaneous response, completing charge/discharge switching within seconds or milliseconds — precisely matching emerging high-frequency, high-power scenarios such as AIDC (AI Data Centers) and grid frequency regulation.

Application



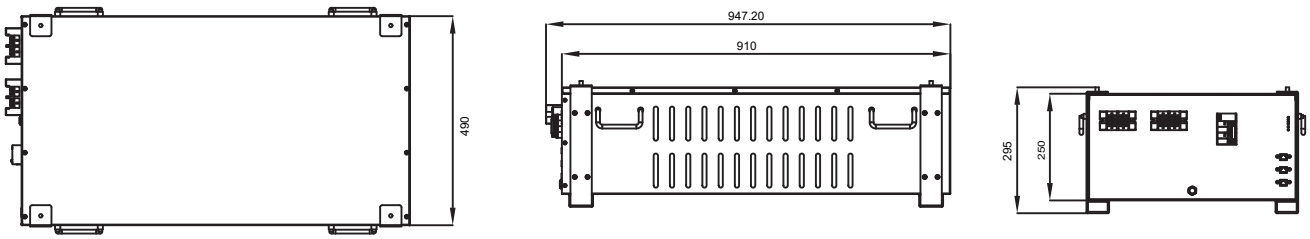
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Dimensions



Parameters

Model		Na 8200/LV
Battery Type		Rechargeable Sodium Ion Battery (NFPP)
Battery Configuration		1P18S
Nominal Energy		8.2368kWh
Rated Capacity		160Ah
Nominal Voltage		51.2V
Voltage Range		39.6~61.2V
Recommended Charge and Discharge Current		80A
Max.Continuous Charging and Discharging Current		160A
Efficiency		99%(@25°C 0.5C)
Cycle Life		≥15000(@25°C 80%DOD 70%SOH)
Operation Condition		Indoors/In cabinet
Installation		Rack-mounted
Relative Humidity		＜95%RH
Cooling Method		Natural Cooling
Altitude		≤2000m
IP Rating		IP20
Temperature	Charge	0°C~60°C
	Discharge	-40°C~60°C
	Storage	20°C ~ 45°C
Communication		CAN / RS485
Weight		≤130kg
Dimension(L*W*H)		910*490*250mm
Max. Parallels		16
Recommended Compatible Inverter Brands		Deye、Growatt、Solis、Megarevo、Invt、Afore、SRNE、Victron、Goodwe

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Specifications are subject to change without further notification

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