

Commercial and Industrial Energy Storage Solutions

NASS-540



[Low cost]

30 % lower installed cost
than Li-ion

[Scalable]

Modular design provides
design flexibility

[Intrinsic Safety]

No thermal runaway
under any circumstances

[Duration]

Flexible 1--12 hours
storage duration

[Sustainable]

Reduced supply chain
risk, faster deployment

[Low Maintenance]

No cooling necessary,
lower O&M costs



DATASHEET

Model	NASS-540 (10 ft)	NASS-1070 (20 ft)
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Performance

Rated Energy	0.54 MWh	1.07 MWh
Nominal Voltage	762 V	762 V
Operating Voltage Range	630-810 V	630-810 V
Nominal Capacity	705 Ah (90% DOD)	1411 Ah (90% DOD)
Round Trip Efficiency	90 %	90%
Battery Cycle Life	> 4,000 cycles	> 4,000 cycles

Characteristics

Chemistry	Sodium iron-chloride
Discharge duration	8-12 hours
Heater consumption	< 5 kW
Ventilation	No need for air-conditioning, forced air for power electronics

General Specifications

Dimensions (W*D*H)	3050 x 2438 x 2896 mm	6058 x 2438 x 2896 mm
Weight	10 tonnes	20 tonnes
Operating Temperature	-20 °C to 60 °C	
Design Life	15 years	
Storage Life	15 years	
BMS	Yes	
Safety Compliance	UL1973 & UL9540A	
EMC Compliance	EN61000	

