

Salt Battery (Sodium Metal Chloride)

Fuji Bridex's Salt Battery is a perfectly safe solid-state technology, engineered specifically for critical applications.



Certified Safe!

Non-flammable, non-explosive. CE/UL1973/UL9540A/RoHS certified. ABS/DNV approved.



Long Cycle Life

Float charge life 15~20 years
6000+ cycles @0.5C 80%DOD.



100% Recyclable

The main raw materials are metals and salts, the recycling process is simple. Pollution-free and eco-friendly.



Wide Operating Temperature Range

Batteries operate at ~40°C~65°C ambient temperature with no performance degradation.



High Energy Density

Energy density at cell level: 135 Wh/kg.
Energy density at module level: 100 Wh/kg.
Smaller footprint.



Maintenance Free

The battery module can tolerate 5%~10% cells short circuit for each string. Fully sealed, zero emissions.

Data Centre Applications

Capacity: 260kW / 1300kWh

Operating: 8 years+

Project Description:

Safe and reliable, with a small footprint, Salt Batteries provide safe and reliable backup power for data centres, saving more than 80% of the site space and reducing 90% of the maintenance costs.



Salt Battery (Sodium Metal Chloride) E303 & E1109

General Data

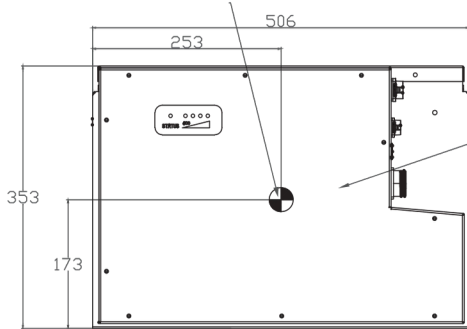
MODEL	Rated Capacity	Rated Voltage	Heat Loss	Module Configuration	Dimension	Weight	Certification	Communication	Ingress Protection
E303	82Ah (2.2kWh)	30.96 Vdc	<75W	12S2P	353*330* 506mm	51±2 kg	UL9540A, CE, UL1973 Listed	RS485	IP55
E1109	82Ah (8.6kWh)	113.5 Vdc	<120W	44S2P	353*556* 506mm	117±2 kg			

Technical Data

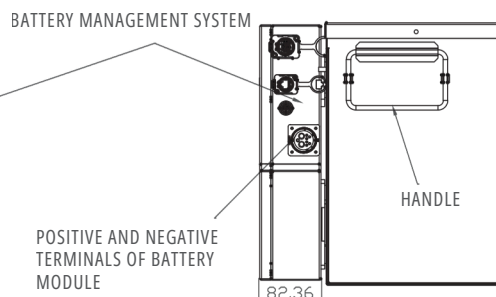
MODEL	Charging Voltage	Maximum Charge Current	Maximum Discharge Current (1min)	Maximum Discharge Current (1h)	Operating Temperature	Operating Environment Humidity	Commissioning Time	Charging Time from 0% to 100% SOC	Charging Time from 0% to 90% SOC
E303	33~40 Vdc	16A	120A	60A	-40~65°C	<95%RH (no condensation)	<16h	<13h	<8h
E1109	120~160 Vdc								

Technical Drawings

APPROX CENTRE OF GRAVITY

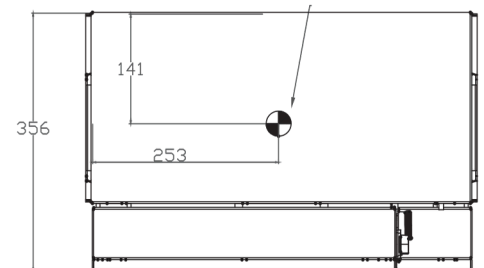


FRONT VIEW



RIGHT SIDE VIEW


APPROX CENTRE OF GRAVITY





TOP VIEW



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