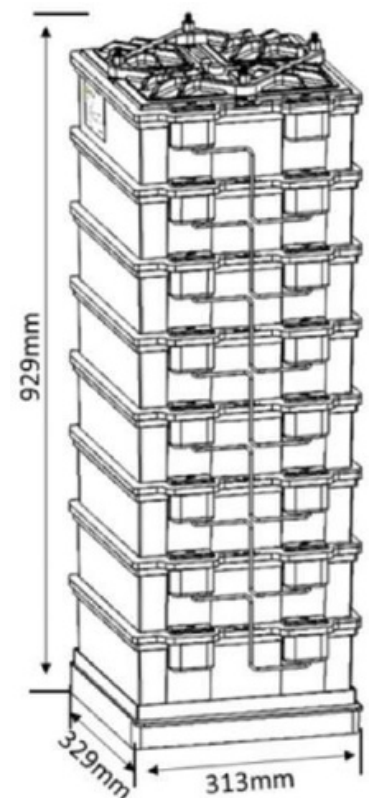


# Aqueous Saltwater Battery

This model is the base unit of Fuji Bridex’s Aqueous Saltwater Battery (ASWB) product line. ASWB provides a safe, clean and sustainable solution to many applications ranging from utility scale energy storage to backup power/ESS for homes and small businesses. ASWB is scalable and modular in design to meet various voltages and amperes rating requirement. ASWB offers long cycle life, near zero maintenance and higher temperature tolerance unmatched by other types of batteries.

## PRODUCT SPECIFICATION

Nominal Capacity	53Ah@5A Charge / 5A Charge / Discharge	Maximum Charge / Discharge Current	20A
Nominal Energy	2.5kWh@5A / 5A Charge / Discharge	Cycle Life	> 3500 cycles
Typical Voltage	48VDC	Operating Temperature	-5 oC ~ +50 oC
Typical Range	35VDC – 60VDC	Battery Weight	Approx. 140kg
Battery Round-trip Efficiency	> 85%	Battery Dimensions	Height: 929mm Width: 313mm Depth: 329mm



## PRODUCT PERFORMANCE

Testing Temperature At 25oC ± 1oC

### POWER VS. VARIOUS CURRENT

Capacity (Ah)		Charge Current (A)		
		5A	10A	15A
Discharge Current	5A	53.1	42.8	35.8
	10A	46.7	39.0	32.5
	15A	42.9	35.8	31.3

Energy (%)		Charge Current (A)		
		5A	10A	15A
Discharge Current	5A	2565	2004	1619
	10A	2258	1827	1467
	15A	2071	1676	1414

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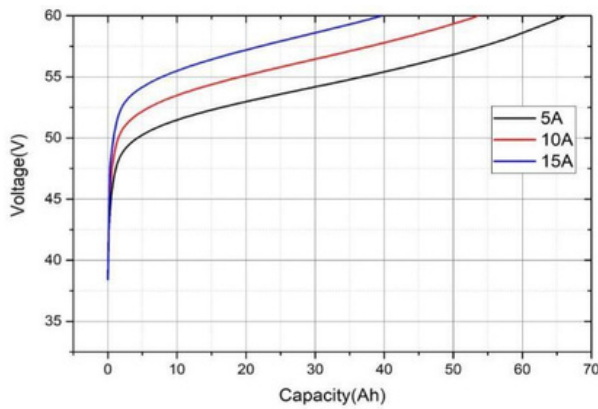
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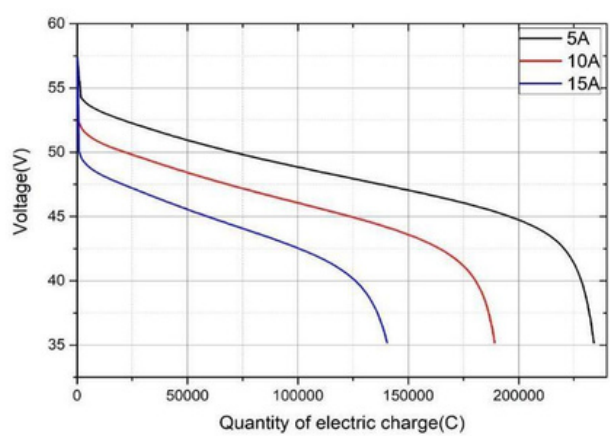
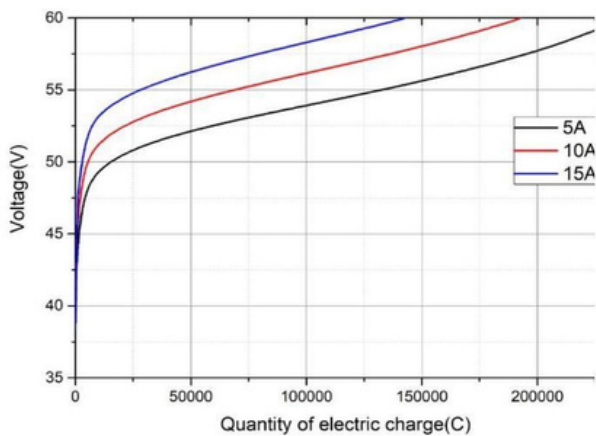
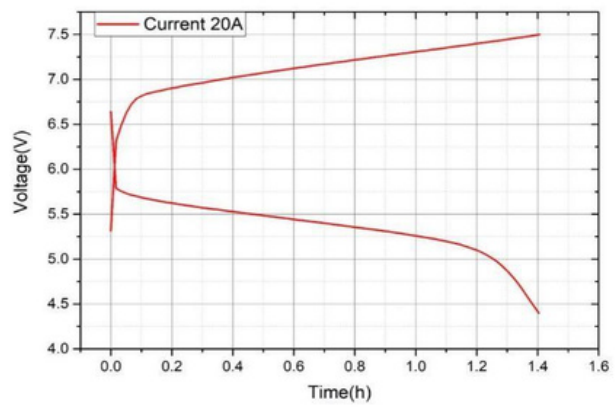
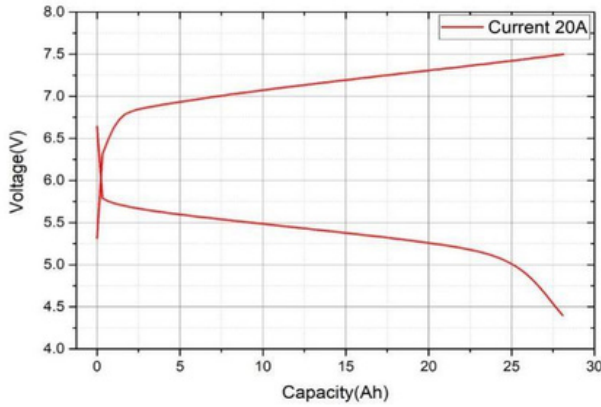
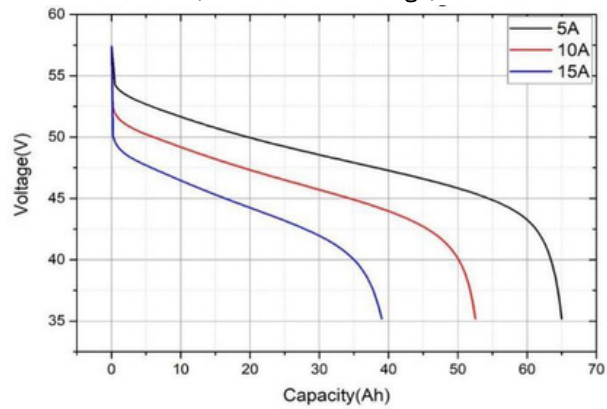
# Aqueous Saltwater Battery

CC charge & discharge conditions. The Voltage VS Charge capacity (Ah) and discharge capacity (Ah)  
Voltage (V) VS Q curves@ various Amps

Voltage vs Charge Capacity



Voltage vs Discharge Capacity  
(from 10-hour charge)



Performance characteristics based on testing conducted by Fuji Bridex Pte Ltd. Performance may vary depending on use, conditions, and applications.

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