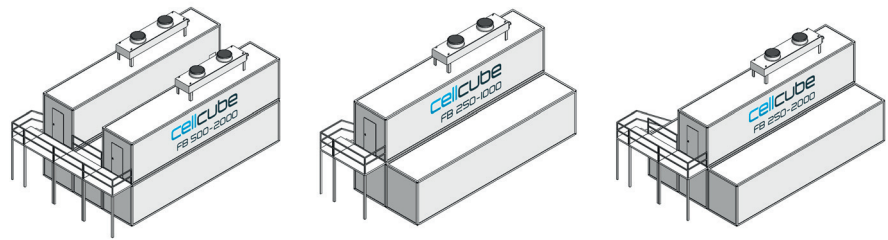


DATA SHEET

FB 250 / FB 500 Series Release 4.00



TECHNICAL DATA	FB 500-2000	FB 250-1000	FB 250-2000
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Power and energy¹

Rated charge / discharge power	468 / 532 kW	234 / 266 kW	
Max charge / discharge power	936 / 798 kW	468 / 399 kW	
Capacity ² @ rated power	2,128 kWh	1,064 kWh	2,128 kWh
Typ. number of cycles	> 20,000 @ 100% discharge		

DC connections

DC voltage range	530 ... 910 V		
Max. DC current	2x 762 A	762 A	

Auxiliary supply

AC connection	400 V, 50 Hz / 60 Hz, 3P+N+PE, TN-S-grid		
Self-consumption (max. / average)	40 kVA / 16 kVA	20 kVA / 8 kVA	

Discharge time at % of rated power³

150%	2 hours @ 798 kW	2 hours @ 399 kW	4 hours @ 399 kW
100%	4 hours @ 532 kW	4 hours @ 266 kW	8 hours @ 266 kW
50%	10 hours @ 266 kW	10 hours @ 133 kW	20 hours @ 133 kW

Time to recharge after discharge of rated energy

Up to 200% of rated power	5.0 hours	5.0 hours	10.0 hours
Up to 100% of rated power	6.3 hours	6.3 hours	13 hours

Noise emission

Sound pressure level (distance 10 m)	< 45 dB(A)		
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Standards and codes

IEC/EN 62932, UL 1973 (pending)

¹ Data enable CellCube auxiliary supply and compensate AC-efficiency-losses (assumed efficiency = 96.8%)

² All data measured at an electrolyte temperature of 30°C (86 °F)

³ Approximate discharge time (starting from SoC=100%) at continuous power.

Actual times may vary depending on operating conditions. Remaining energy capacity delivered at derated power.

TECHNICAL DATA **FB 500-2000** **FB 250-1000** **FB 250-2000**

Mechanical data

Enclosure type	40' ISO HC-containers		
Footprint (w/o stairs) L x W	12.2 m x 4.9 m (40.0 ft x 16.1 ft)	12.2 m x 4.9 m (40.0 ft x 16.1 ft)	12.2 m x 7.4 m (40.0 ft x 24.3 ft)
Height w/o cooling system	5.9 m (19.4 ft)		
Height with cooling system	7.5 m (24.6 ft)		

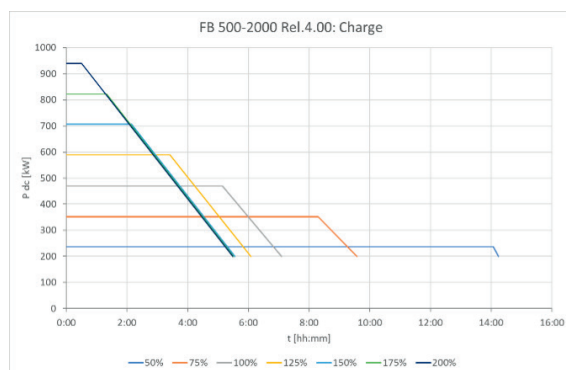
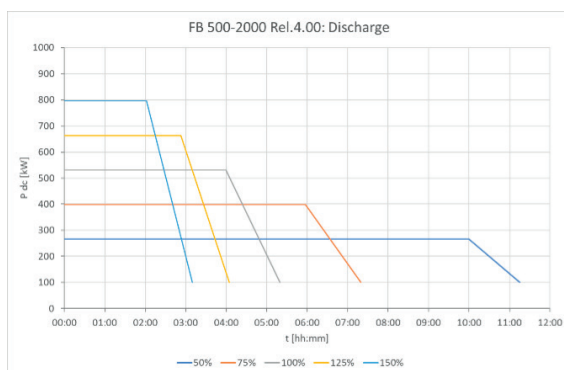
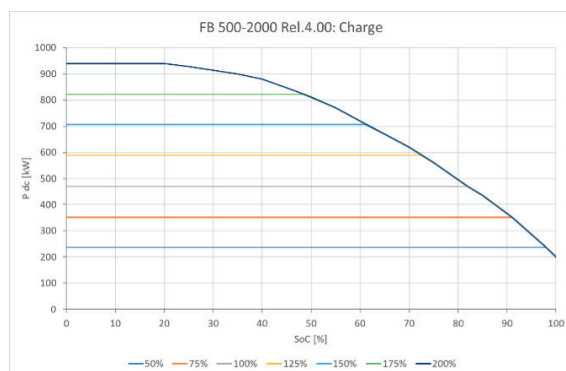
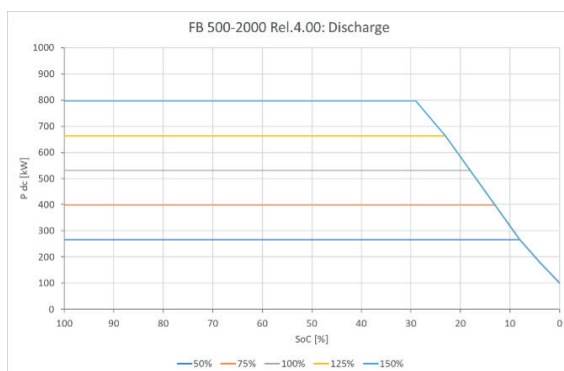
Weight empty

Power unit	2x 20 t (2x 44,000 lbs)	20 t (44,000 lbs)	20 t (44,000 lbs)
Energy unit	3x 10 t (3x 22,000 lbs)	2x 10 t (2x 22,000 lbs)	3x 10 t (3x 22,000 lbs)

Weight filled with electrolyte

Power unit	2x 20 t (2x 44,000 lbs)	20 t (44,000 lbs)	20 t (44,000 lbs)
Energy unit	3x 75 t (3x 165,000 lbs)	40 t + 75 t (88,000 lbs + 165,000)	3x 75 t (3x 165,000 lbs)
Protection rating	IP 54 / NEMA 3		
Ambient temperature (storage and operation) ⁴	Average daily temperature from -15 °C to + 45 °C (+5 °F to 113 °F)		

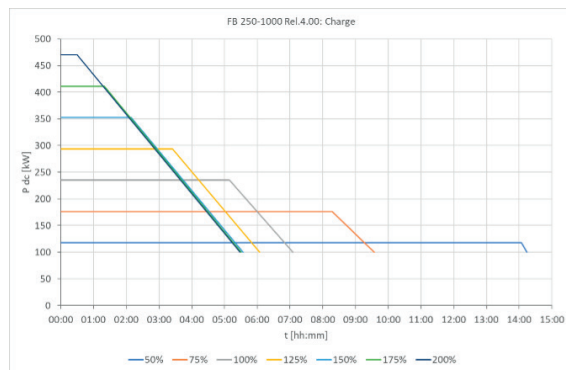
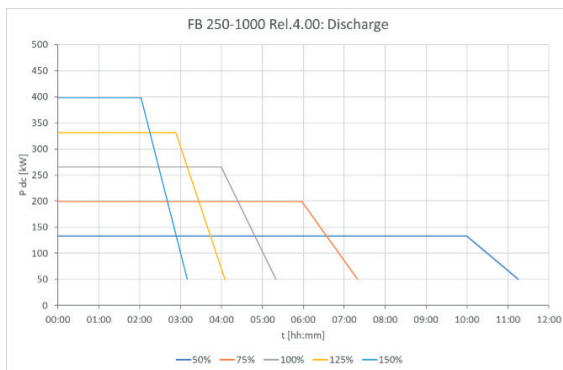
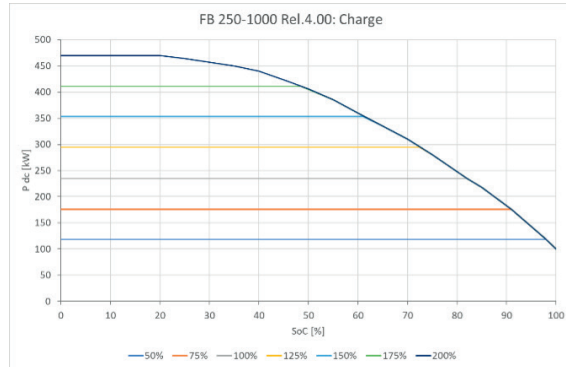
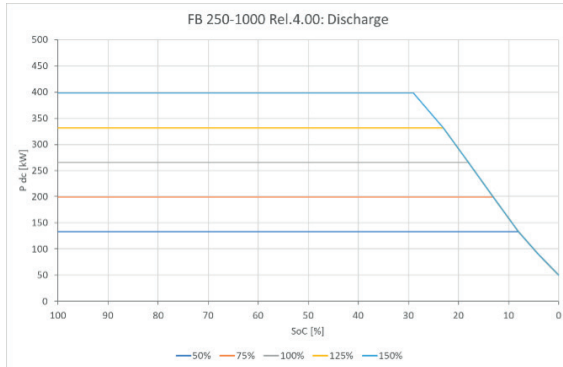
CHARACTERISTICS **FB 500-2000**



⁴ active temperature management system is also available for extended climate conditions

CHARACTERISTICS

FB 250-1000



CHARACTERISTICS

FB 250-2000

