

Sodium-Nickel Chloride Battery Products and Solutions



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■ Product Advantages



Modular



High Safety



Smart
BMS



Extreme
Temperature



High
Reliability



Low
Maintenance



Oil & Gas



Data Center



Telecom



Utility



Industrial



Safe



Scalable



Smart



Long Life

MODEL	E4810	E4815
Nominal Voltage (VDC)	48	48
Nominal Energy (kWh)	11.8	15
Nominal Capacity (Ah)	230	276
Recharge Voltage Range (VDC)	52.9-53.1	55.5-55.8
Max Recharge Current (A)	80	100
Max Discharge Current (A) (1h)	80	100
Cycling Load Range (kW)	0.6 - 3.1	0.8 - 4
End of Discharge (V)	40 - 45.6	43.3 - 47.8
Operating Temperature (°C)	-40 - 65	-40 - 65
Dimensions(HxDxW) mm	374 x 654 x 520	303 x 637 x 511
Weight (kg)	122	145
Design Life (years)	15	15
Ingress Protection (IP)	20	20
Communication	RS485, CAN	RS485, CAN
Cycle Life 25°C,0.5C/0.5C	> 6000 cycles	> 6000 cycles
Certification	CE, UL9540A, UL1973 (in progress).	CE, UL9540A, UL1973 (in progress).



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MODEL	E1109	E12510	E13011
Nominal Voltage (VDC)	110	125	130
Nominal Energy (kWh)	10	11.86	12.34
Nominal Capacity (Ah)	92	92	92
Recharge Voltage Range (VDC)	120 - 160	136 - 160	141 - 160
Max Recharge Current (A)	16	16	16
Max Discharge Current (A) (1h)	60	60	60
Cycling Load Range (kW)	0.9 - 2.7	0.9 - 2.7	1 - 3.4
End of Discharge (V)	88	100	104
Operating Temperature (°C)	-40 - 65	-40 - 65	-40 - 65
Dimensions(HxDxW) mm	353 × 556 × 506	353 × 631 × 506	353 × 631 × 506
Weight (kg)	117	127	130
Design Life (years)	20	20	20
Ingress Protection (IP)	55	55	55
Communication	RS485, MODBUS	RS485, MODBUS	RS485, MODBUS
Cycle Life 25°C, 0.5C/0.5C	> 6000 cycles	> 6000 cycles	> 6000 cycles
Certification	UL9540A, CE, UL1973, IEC62984 (in progress)	UL9540A, CE, UL1973, IEC62984 (in progress)	UL9540A, CE, UL1973, IEC62984 (in progress)

ZYNAVEX+

Zynavex Sdn. Bhd.

 +6-011-66368966

 <https://www.zynavex.com>

 support@zynavex.com
