

Energie – High Power Series

Nickel Cadmium Batteries Designed for UPS & Switchgear Applications



HOPPECKE Advanced Fiber NICKEL CADMIUM Technology FNC-EH Advantages:

- Ultra High Rate Discharge Performance
- Higher available capacities
- Reduced Space and Weight
- Extreme Low Temperature Operation
- High Recharge Efficiency





The HOPPECKE FNC-EH Advantage

HOPPECKE's **Fiber Plate** technology provides reduced weight, higher energy density than other battery technologies. The high efficiency of the plates and cell design are ideal for delivering high currents for short durations as in Engine Cranking, UPS and most Switchgear applications.

Fiber Plate advantages:

- **Reliability**
The FNC plate technology is not affected by capacity loss due to electrolyte contamination from active material additives as in other nickel cadmium batteries. The active material in the FNC plate is imbedded in the plate structure, not merely pasted on the surface and therefore less susceptible to shedding when operated under severe conditions.
- **Faster Recharge**
Because of the high plate surface the FNC cells are able to be fast recharged at higher currents than most other nickel cadmium systems allowing your equipment to be on line more quickly.
- **25 Year Life**
The FNC cells have extremely long life in float charge applications.
- **Extreme Environment Capability**
FNC technology resists abuse from overcharging or undercharging. They are resistant to shock and vibration and can operate in wide temperature ranges (-40 C to +60 C).

Physical properties

- Case & Lid: polypropylene
- Terminal: Nickel plated steel
- Terminal bolts & washers: stainless steel
- Terminal connectors: nickel plated copper
- Vent: flame arrestor safety vent
- All internal components, nickel plated steel with fiber matrix plates

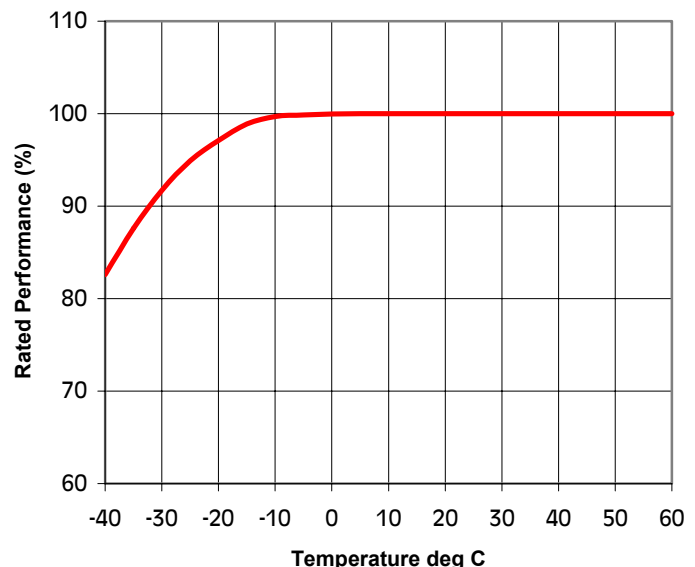
Exceptional cycle life

- Cycle life of the FNC-A cells exceeds 3,000 80% depth of discharge cycles

Exceptional low temperature performance

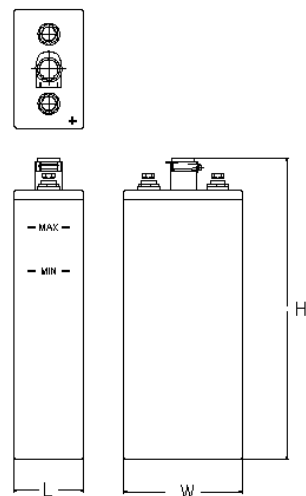
The FNC-EH series allows for exceptional low temperature performance similar to the FNC-X standard cells. FNC-EH available performance at -20C is 97% of original performance. At -40C, 85% of the nominal cell performance is possible.

FNC-EH Temperature Performance



Type	Capacity [Ah]	Length inch[mm]	Width inch[mm]	Height inch[mm]	Weight max lbs[kg]
FNC-257 EH-1	14	1.18(30)	4.80(122)	9.84(205)	3.1(1.38)
FNC-501 EH-1	28	1.85(47)	4.80(122)	9.84(205)	5.4(2.46)
FNC-808 EH-1	47	2.83(72)	4.80(122)	9.84(205)	8.3(3.74)
FNC-1092 EH-1	66	3.62(92)	4.80(122)	9.84(205)	11.1(5.04)
FNC-1353 EH-1	85	4.53(115)	4.80(122)	9.84(205)	13.64(6.2)
FNC-297 EH-2	22	1.18(30)	4.80(122)	12.2(309)	3.96(1.8)
FNC-582 EH-2	44	1.85(47)	4.80(122)	12.2(309)	6.95(3.16)
FNC-938 EH-2	73	2.83(72)	4.80(122)	12.2(309)	10.6(4.83)
FNC-1296 EH-2	103	3.62(92)	4.80(122)	12.2(309)	13.9(6.31)
FNC-1573 EH-2	132	4.53(115)	4.80(122)	12.2(309)	17.2(7.84)
FNC-1859 EH-3	144	3.62 (92)	7.64(194)	12.2(309)	20.7(9.4)
FNC-1983 EH-3	156	3.62 (92)	7.64(194)	12.2(309)	21.6(9.8)
FNC-2103 EH-3	168	4.53(115)	7.64(194)	12.2(309)	23.5(10.7)
FNC-2217 EH-3	180	4.53(115)	7.64(194)	12.2(309)	24.4(11.1)
FNC-2327 EH-3	192	4.53(115)	7.64(194)	12.2(309)	25.5(11.6)
FNC-2431 EH-3	204	4.53(115)	7.64(194)	12.2(309)	26.4(12.0)

Technical data subject to change without notice.



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