



POWER FROM INNOVATION



Nickel Cadmium Battery Products Overview



FNC Fiber Nickel Cadmium Batteries

Flooded Cells
for All Standby Applications



Applications:

- UPS
- Switchgear
- Control
- Power Generation
- Engine Starting
- Telecommunications
- Emergency Power Supplies
- Renewable Energy Applications

Specifications:

- 10 - 1,100 Ah capacities
- 25 year design life
- 3,000 full depth of discharge cycles
- Operating temperature -40C to +50C
- Translucent polypropylene container
- Single cells, 1.2vpc nominal
- Variable Performance Types
 - X-tra high discharge rate
 - High discharge rate
 - Medium discharge rate
 - Long discharge rate

FNC-A Advanced Fiber Nickel Cadmium Batteries

Flooded – Recombinant
Ultra Low Maintenance



Applications:

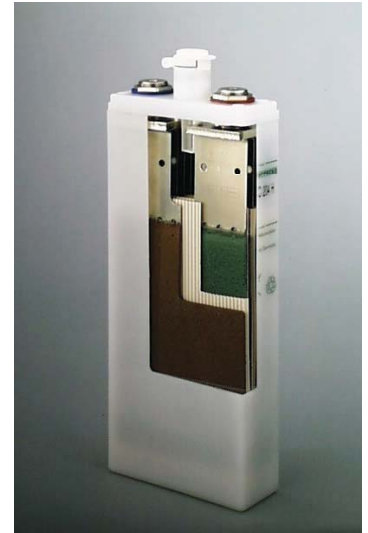
- UPS
- Engine Starting
- Rail / Transit
Train Lighting
- Switchgear
- Telecommunications
- Automatic Guided
Vehicles

Specifications:

- 30 – 190 Ah capacities
- 25 year design life
- +3,000 full depth of discharge cycles
- Operating temperature -40C to +40C
- Internal gas recombination design
- No water addition required over the life of the battery
- Can operate at reduced VRLA charge voltages
- High recharge efficiency at low charge voltages
- Single cells, 1.2vpc nominal
- Performance Types:
 - X-tra high discharge rate
 - High discharge rate

FNC-EH Energie High Power Series

High Rate / Performance Batteries



Applications:

- UPS
- Switchgear
- Engine Starting

Specifications:

- 15 - 200 Ah capacities
- 25 year design life
- 3,000 full depth of discharge cycles
- Operating temperature -40C to +50C
- Faster recharge
- Superior low temperature performance
- Larger capacities for UPS applications
- Enhanced Engine starting current range
- Translucent polypropylene container
- Single cells, 1.2vpc nominal
- Performance Types:
 - High discharge rate

FNC-EX Extreme Low Maintenance

Ultra Low Maintenance
Battery types Utilizing
FNC cells with patented
Aquagen Recombinant vents



Applications:

- UPS
- Switchgear
- Control
- Power Generation
- Engine Starting
- Telecommunications
- Emergency Power Supplies
- Renewable Energy Applications

Specifications:

- 10 - 1,100Ah capacities
- 25 year design life
- 3,000 full depth of discharge cycles
- Aquagen catalyst with flame arrestor safety vent
- 10 – 20 year watering interval
- Operating temperature –40C to +50C
- Translucent polypropylene container
- Single cells, 1.2vpc nominal
- Variable Performance Types
 - X-tra high discharge rate
 - High discharge rate
 - Medium discharge rate
 - Long discharge rate

FNCVR Valve Regulated Nickel Cadmium Batteries

Ultra Low Maintenance battery types -
Utilizing a low pressure vent and internal
gas recombination



Applications:

- UPS
- Switchgear
- Control
- Power Generation
- Engine Starting
- Telecommunications
- Emergency Power Supplies
- Renewable Energy Applications

Specifications:

- 10 - 1,100Ah capacities
- 25 year design life
- 3,000 full depth of discharge cycles
- Low pressure vent with internal gas recombination
- 10 – 20 year watering interval
- Operating temperature –40C to +50C
- Multi cell trays with handles for ease of installation
- Single cells, 1.2vpc nominal
- Performance Types
 - Medium discharge rate
 - Long discharge rate

FNC-R Rail Batteries

Batteries for Railroad
and Mass Transit Applications



Applications:

- Rail Signaling
- On Board Train Lighting
- Railroad
- Subway
- Light Rail Vehicles

Specifications:

- 60 - 535Ah capacities
- 25 year design life
- 3,000 full depth of discharge cycles
- Translucent polypropylene containers or transparent flame retardant plastic containers available
- Operating temperature –40C to +50C
- Single cells, 1.2vpc nominal
- Performance Types
 - X-tra high discharge rate
 - High discharge rate
 - Medium discharge rate
 - Long discharge rate

FNC-T Traction Batteries

High Performance
Traction Batteries
Chargers and Systems



Applications:

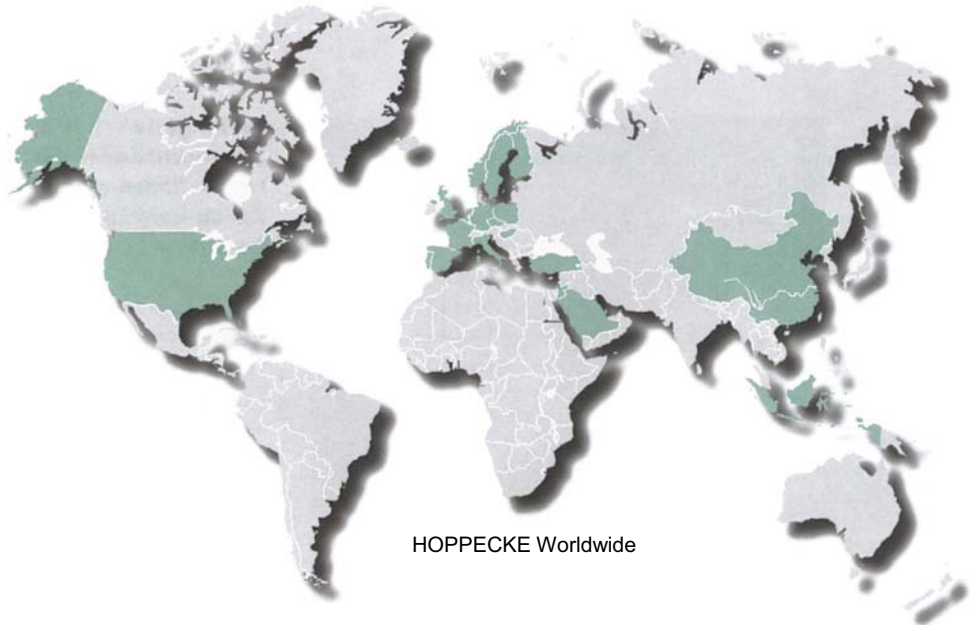
- Automatic Guided Vehicles (AGV)
- Electric Vehicles

Specifications:

- 10 - 280Ah capacities
- 25 year design life
- 3,000 full depth of discharge cycles
- Translucent polypropylene containers
- Operating temperature -40C to +50C
- Single cells, 1.2vpc nominal
- Performance Types
 - High discharge rate
 - Medium discharge rate
- Battery Chargers, Contact Shoes and other Power Equipment designed specifically for AGV applications



A Complete Line of Battery Chargers, Enclosures and Battery Racks



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