

# TECHNICAL DATA SHEET

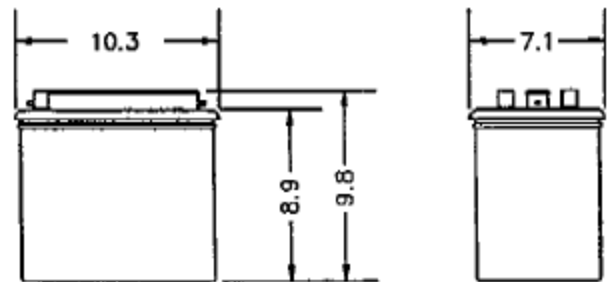
Battery No. NIF-200-5  
Nickel-Iron Module

## Electrochemistry:

- Nickel/KOH/Iron

## Physical Data:

- Length .....10.3 max. in.
- Width .....7.1 max. in.
- Height .....9.8 max. in.
- Volume .....660 in<sup>3</sup>
- Weight .....Dry ..... 42 lbs.
- .....Activated ..... 54 lbs.



Outline Configuration

## Electrical Information

Nominal Discharge Voltage(C/2):..... 6.0 Volts

### Voltage Limits:

- End of Discharge (C/3)..... 5.0 Volts
- End of Discharge (C/2)..... 4.5 Volts
- End of Charge (C/5) ..... 8.6 Volts
- End of Charge (C/10) ..... 8.3 Volts

### Open Circuit Voltage:

- 0% S.O.C. (1 Hr. after discharge)..... 6.1 Volts
- 100% S.O.C. (1 Hr. after charge)..... 7.2 Volts

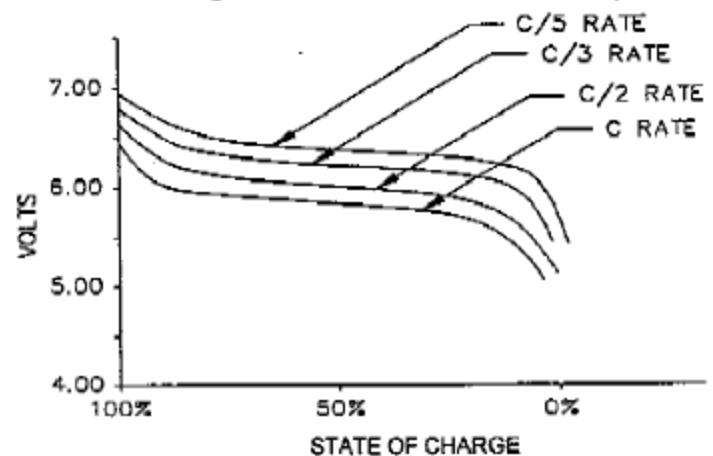
### Discharge Capacity:

- C/2 ..... 199 Ah to 4.5 Volts
- C/3 ..... 204 Ah to 5.0 Volts

### Percentage Overcharge Recommended:

- 35-40%

## Discharge Curves- Volts vs. State of Charge



## Thermal Characteristics:

- Operating temperature..... 0-60°C
- Temperature compensated charge voltage required (8.3 V at 25°C nominal)

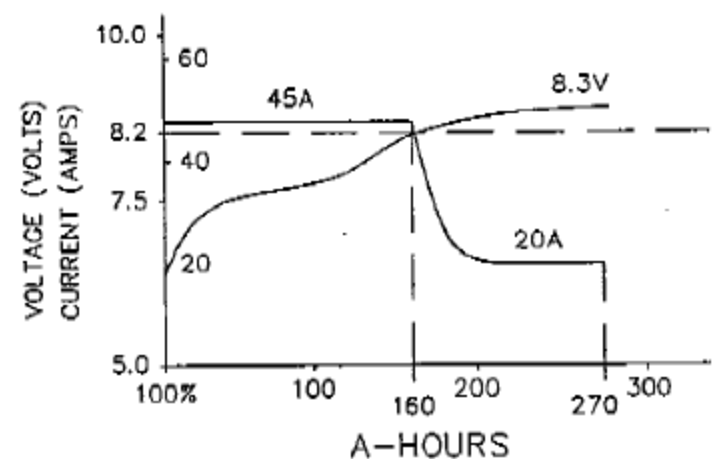
## Unique Operating Characteristic:

- Hardware has been designed for single point watering and gas management
- Chargers have been developed for 24V, 36V and 48V battery configurations

## Case Material:

- Polypropylene plastic, heat sealed cover to case

## Recommended Charge Profile (from 0% S.O.C. @ 25°C)



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