

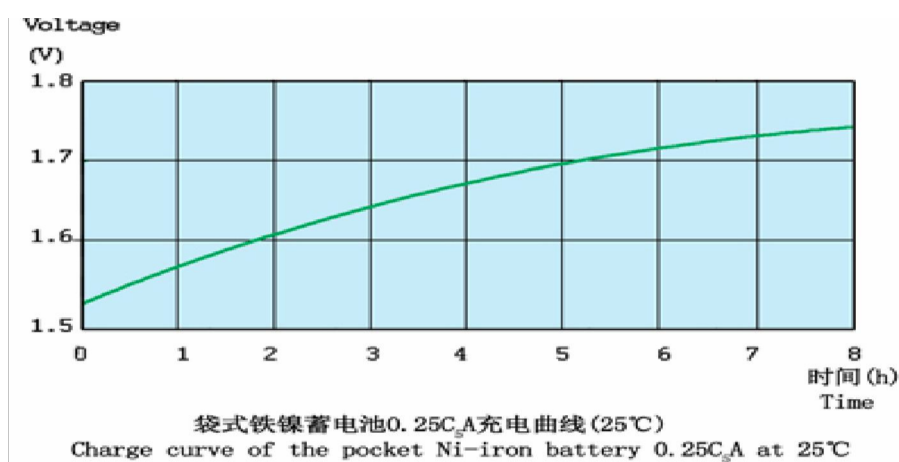
● Specification

| | | | |
|---------------------|--------|--------------------|-----------|
| NOMINAL VOLTAGE | | 1.2V | |
| NOMINAL CAPACITY | | 500AH | 1000AH |
| DIMENSIONS | WIDTH | 291 | 399 |
| | LENGTH | 174 | 184 |
| | HEIGHT | 525 | 572 |
| WEIGHT APPROX. | | 22Kg/cell | 45kg/cell |
| HOUSING MATERIAL | | ABS | |
| TYPE OF ELECTROLYTE | | KOH ,LiOH solution | |

● Characteristics

| |
|---|
| Charge/discharge efficiency : 70%-80% |
| Deep discharge: deep discharge does not reduce life significantly |
| SELF-DISCHARGE RATE: 18-35%/month |
| SPECIFIC ENERGY 35 -40Wh/kg |
| ENERGY DENSITY 30Wh/L |
| LIFE EXPECTANCY: 15~20YEARS |
| TEMPERATURE RANGE : -20℃- +60℃ |

● Charge and discharge curves of nickel-iron rechargeable battery





● Date sheet of nickel-iron rechargeable battery

| Models | Nominal Voltage (V) | Nominal Capacity (ah) | External dimension | | | Terminal | Container material | Max Dry Weight (kg) |
|------------|---------------------|-----------------------|--------------------|-----|-----|----------|--------------------|---------------------|
| | | | L | w | H | | | |
| | | | (mm) | | | | | |
| TN10-(2) | 1.2 | 10 | 85 | 39 | 126 | M5 | ABS | 0.66 |
| TN30-(2) | 1.2 | 30 | 145 | 54 | 248 | M10×1 | ABS | 1.3 |
| TN40-(2) | 1.2 | 40 | 145 | 54 | 248 | M10×1 | ABS | 2.5 |
| TN45-(2) | 1.2 | 45 | 142 | 67 | 223 | M10×1 | ABS | 2.7 |
| TN50-(2) | 1.2 | 50 | 142 | 67 | 223 | M10×1 | ABS | 3.2 |
| TN60-(2) | 1.2 | 60 | 135 | 51 | 368 | M10×1 | PP | 3.4 |
| TN80-(2) | 1.2 | 80 | 139 | 79 | 362 | M16 | ABS | 4.5 |
| TN100-(2) | 1.2 | 100 | 139 | 79 | 362 | M16 | ABS | 4.9 |
| TN150-(2) | 1.2 | 150 | 167 | 162 | 343 | M20×1.5 | ABS | 9.5 |
| TN200-(2) | 1.2 | 200 | 167 | 162 | 343 | M20×1.5 | ABS | 12 |
| TN250-(2) | 1.2 | 250 | 277 | 139 | 420 | M16 | PP | 13 |
| TN300-(2) | 1.2 | 300 | 176 | 161 | 557 | M16 | PP | 13.5 |
| TN350-(2) | 1.2 | 350 | 174 | 161 | 535 | M20×1.5 | ABS | 15 |
| TN400-(2) | 1.2 | 400 | 176 | 161 | 535 | M20×1.5 | ABS | 18 |
| TN450-(2) | 1.2 | 450 | 291 | 174 | 505 | M20×1.5 | ABS | 20 |
| TN500-(2) | 1.2 | 500 | 291 | 174 | 505 | M20×1.5 | ABS | 22 |
| TN600-(2) | 1.2 | 600 | 291 | 174 | 505 | M20×1.5 | ABS | 25 |
| TN700-(2) | 1.2 | 700 | 398 | 184 | 562 | M20×1.5 | ABS | 28 |
| TN800-(2) | 1.2 | 800 | 398 | 184 | 562 | M20×1.5 | ABS | 30 |
| TN1000-(2) | 1.2 | 1000 | 398 | 184 | 572 | M20×1.5 | ABS | 45 |