

Motive-Power Batteries

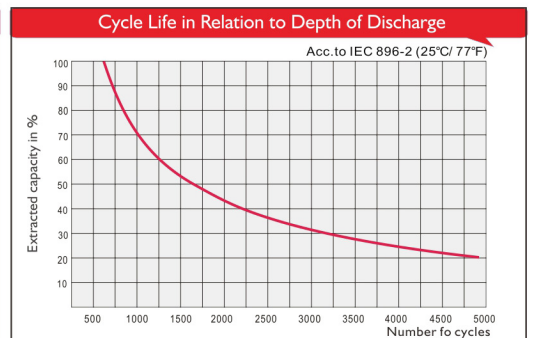
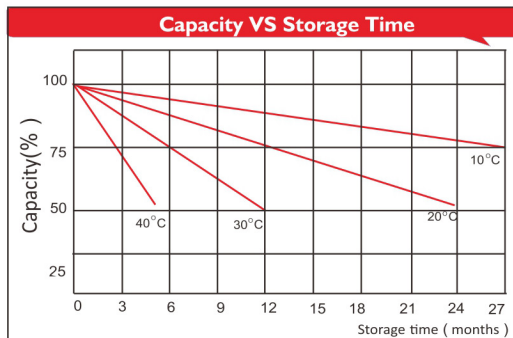
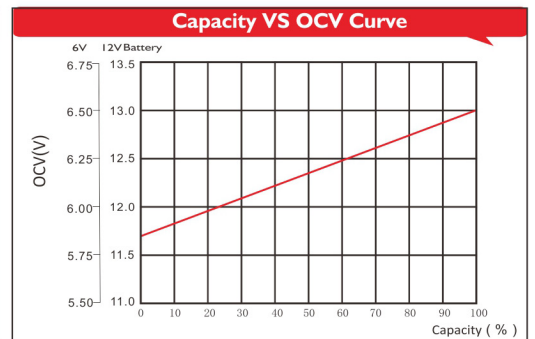
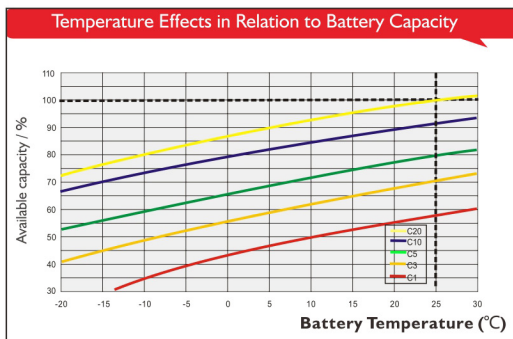
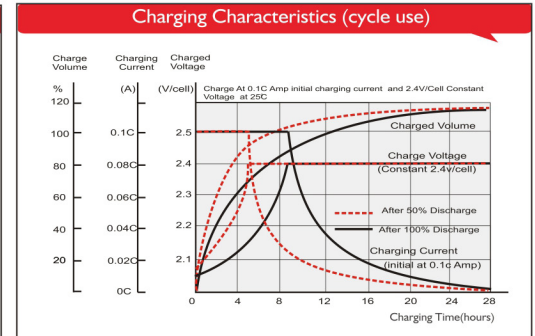
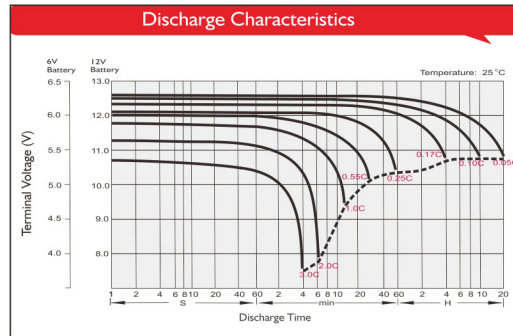
[NPM Series]

Features

- ▶ Superior plate design using pure lead-tin grids
- ▶ Excellent performance in cycle and starting as it can deliver much higher CCA or CA
- ▶ Resistant to high levels of shock and vibration
- ▶ Flame-retardant ABS container and lid (UL94V0) ensures safety
- ▶ Excellent deep discharge recovery characteristics
- ▶ Reliable operation at extreme temperatures (-40°C to +60°C)
- ▶ Y & M technology from Toyama University in Japan
- ▶ Comply with the standards: JISC8704, Bs6290 Part 4 IEC61427 & IEC60896, IEC60896-21/22



Characteristics



Motive-Power Batteries

[NPM Series]

Specification

| Int'l Model | Factory Model | Volt (V) | Capacity (Ah @ 20h) | Dimension (mm) | | | | Approx. Weight | Terminal | |
|-------------|---------------|----------|---------------------|----------------|-----|-----|------|----------------|----------|----------|
| | | | | L | W | H | T.H. | | Type | Position |
| NPM200-6 | FCD6-200 | 6 | 200 | 306 | 168 | 220 | 225 | 30.0 | T5 | F |
| NPM210-6 | FCD6-210 | 6 | 210 | 260 | 180 | 247 | 252 | 29.5 | T5 | F |
| NPM220-6 | FCD6-220 | 6 | 220 | 306 | 168 | 220 | 225 | 31.5 | T5 | F |
| NPM225-6 | FCD6-226 | 6 | 225 | 260 | 180 | 247 | 252 | 30.0 | T5 | F |
| NPM240-6 | FCD6-225 | 6 | 240 | 243 | 187 | 275 | 275 | 31.0 | T5 | F |
| NPM250-6 | FCD6-250 | 6 | 250 | 260 | 180 | 265 | 272 | 35.0 | T5 | F |
| NPM330-6 | FCD6-310T/F | 6 | 330 | 295 | 178 | 354 | 360 | 46.0 | T5 / DT | F |
| NPM335-6 | FCD6-330T/F | 6 | 350 | 295 | 178 | 354 | 360 | 47.0 | T5 / DT | F |
| NPM400-6 | FCD6-380T/F | 6 | 400 | 295 | 178 | 404 | 410 | 56.0 | T5 / DT | F |
| NPM450-6 | FCD6-420T/F | 6 | 450 | 295 | 178 | 404 | 410 | 57.0 | T5 / DT | F |
| NPM200-8 | FCD8-200 | 8 | 200 | 260 | 182 | 295 | 301 | 38.0 | T5 | A |
| NPM4-12 | FCD12-4 | 12 | 5 | 90 | 70 | 101 | 107 | 1.6 | F1/F2 | A |
| NPM7-12 | FCD12-7 | 12 | 7 | 151 | 65 | 94 | 100 | 2.25 | F1/F2 | D |
| NPM14-12 | FCD12-14 | 12 | 14 | 152 | 99 | 96 | 102 | 4.1 | F1/F2 | D |
| NPM20-12 | FCD12-20T/P | 12 | 20 | 181 | 77 | 167 | 167 | 6.1 | T1 | B |
| NPM24-12 | FCD12-24 | 12 | 24 | 166 | 175 | 126 | 126 | 8.5 | T1 | B |
| NPM26-12 | FCD12-26 | 12 | 26 | 165 | 126 | 174 | 179 | 8.7 | T1 | B |
| NPM35-12 | FCD12-35 | 12 | 35 | 196 | 130 | 155 | 167 | 10.5 | T3 | A |
| NPM40-12 | FCD12-40 | 12 | 40 | 198 | 166 | 174 | 174 | 14.5 | T3 | B |
| NPM55-12 | FCD12-55 | 12 | 55 | 229 | 138 | 208 | 212 | 16.0 | T3 | B |
| NPM70-12 | FCD12-70 | 12 | 70 | 350 | 167 | 178 | 178 | 23.5 | T3 | B |
| NPM75-12 | FCD12-75 | 12 | 75 | 260 | 169 | 211 | 215 | 25.0 | T3 | A |
| NPM85-12 | FCD12-85 | 12 | 80 | 260 | 169 | 211 | 215 | 26.5 | T3 | A |
| NPM90-12 | FCD12-90 | 12 | 90 | 307 | 169 | 211 | 216 | 28.5 | T3 | A |
| NPM100-12 | FCD12-100 | 12 | 100 | 307 | 169 | 211 | 216 | 30.5 | T3 | A |
| NPM120-12 | FCD12-110 | 12 | 120 | 331 | 176 | 214 | 220 | 33.5 | T4 | A |
| NPM130-12 | FCD12-120 | 12 | 130 | 407 | 173 | 210 | 233 | 39.5 | T5 | A |
| NPM140-12 | FCD12-135 | 12 | 140 | 341 | 173 | 283 | 288 | 41.0 | T5 | B |
| NPM150-12 | FCD12-150 | 12 | 150 | 484 | 171 | 241 | 241 | 46.0 | T4 | A |
| NPM180-12 | FCD12-180 | 12 | 180 | 532 | 206 | 216 | 222 | 56.0 | T4 | C |
| NPM200-12 | FCD12-200 | 12 | 200 | 532 | 206 | 216 | 222 | 59.0 | T4 | C |
| NPM220-12 | FCD12-210 | 12 | 220 | 522 | 240 | 219 | 225 | 65.0 | T5 | C |
| NPM240-12 | FCD12-240 | 12 | 240 | 520 | 269 | 203 | 209 | 71.0 | T5 | C |
| NPM260-12 | FCD12-260 | 12 | 260 | 520 | 268 | 220 | 226 | 77.0 | T5 | C |

Construction

| Positive plate | Negative plate | Container & Cover | Safety Valve | Terminal | Separator | Electrolyte | Sealing Technology |
|--|---|------------------------|--------------------------------------|--|--|-----------------------------------|-----------------------------|
| Thick and high Sn & low Ca grid with special paste | Balanced Pb-Ca grid for improved recombination efficiency | ABS (UL94-V0) optional | Flame Si-Rubber and aging resistance | Female Copper Insert DT (torque: 10-12N.m) | Advanced AGM Separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |



ISO9001
ISO14001
OHSAS 18001