

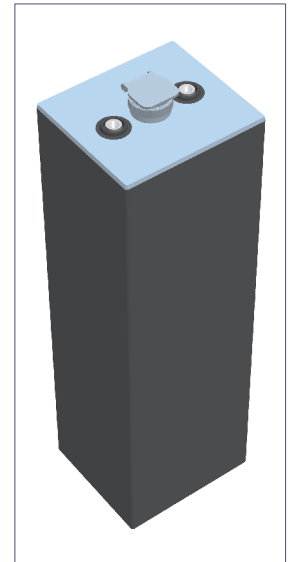
8PzB 520

(2V520Ah/5HR)



Specification

| | |
|-------------------------------------|--|
| Voltage Per Unit | 2V(single cell) |
| Capacity | 520Ah@5hr-rate to 1.70V per cell @25°C |
| Weight | Approx. without electrolyte 23.7 Kg Approx. including electrolyte 30.0 Kg |
| High Rate Discharge Current | 520 A |
| Operating Temperature Range | Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C |
| Optimal Operating Temperature Range | 25°C ± 5°C |
| Maximum Charging Current | 78.0 A |
| Cycle charged | 2.65 to 2.85 VDC/unit Average at 25°C |
| Self Discharge | Self-discharge ratio less than 5% per month at 25°C. Please charge batteries before using. |
| Terminal | D2(M10 Copper Terminals) & D4(Lead Terminals) |
| Dimensions (L×W×H×TH) | 141mm×158mm×454mm×484mm(Total High) |



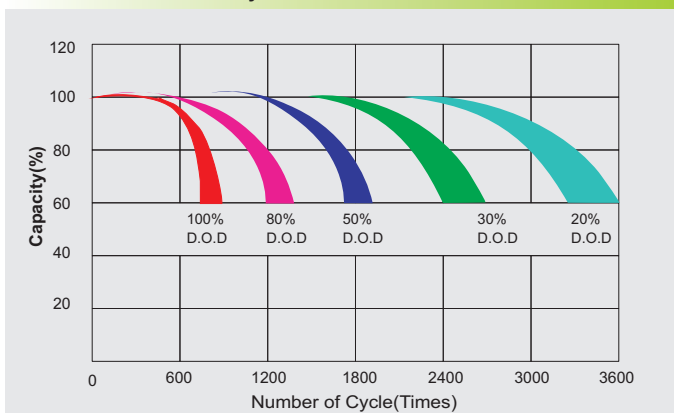
Constant Current Discharge Characteristics : A(25°C)

| F.V/Time | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|
| 1.60V | 492.6 | 344.9 | 199.8 | 149.7 | 122.1 | 109.5 | 94.9 | 73.9 | 61.0 |
| 1.65V | 481.3 | 337.1 | 195.3 | 146.2 | 119.3 | 107.0 | 92.7 | 72.2 | 59.7 |
| 1.70V | 467.8 | 327.6 | 189.8 | 142.1 | 116.0 | 104.0 | 90.1 | 70.2 | 58.0 |
| 1.75V | 450.0 | 315.0 | 182.5 | 136.7 | 111.5 | 100.0 | 86.7 | 67.5 | 55.8 |
| 1.80V | 429.6 | 300.8 | 174.3 | 130.5 | 106.5 | 95.5 | 82.8 | 64.5 | 53.2 |
| 1.85V | 407.0 | 285.1 | 165.2 | 123.7 | 100.9 | 90.5 | 78.4 | 61.1 | 50.5 |

Constant Power Discharge Characteristics : W(25°C)

| F.V/Time | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V | 921.3 | 664.3 | 392.6 | 296.8 | 242.6 | 217.7 | 188.7 | 147.1 | 121.6 |
| 1.65V | 904.8 | 650.6 | 384.5 | 291.3 | 237.8 | 213.5 | 185.0 | 144.2 | 119.2 |
| 1.70V | 889.6 | 633.3 | 374.3 | 284.0 | 231.7 | 208.0 | 180.3 | 140.4 | 116.0 |
| 1.75V | 856.3 | 609.2 | 360.0 | 273.1 | 222.8 | 200.0 | 173.3 | 135.0 | 111.5 |
| 1.80V | 818.3 | 584.9 | 345.6 | 260.8 | 213.0 | 191.0 | 165.5 | 128.9 | 106.5 |
| 1.85V | 779.9 | 558.4 | 330.0 | 247.4 | 201.8 | 181.0 | 156.9 | 122.2 | 100.9 |

Life characteristics of cyclic use



Charge characteristic Curve for cycle use

