

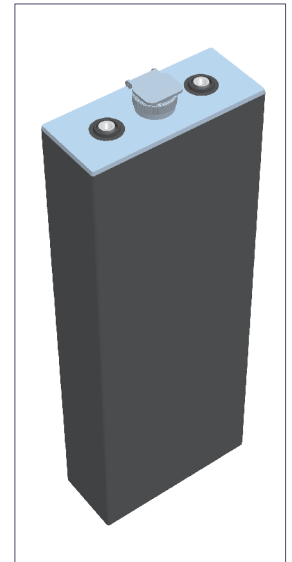
4PzS 420

(2V420Ah/5HR)



Specification

| | |
|-------------------------------------|--|
| Voltage Per Unit | 2V(single cell) |
| Capacity | 420Ah@5hr-rate to 1.70V per cell @25°C |
| Weight | Approx. without electrolyte 19.6 Kg Approx. including electrolyte 24.6 Kg |
| High Rate Discharge Current | 420 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 | 63.0 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) | 83mm×198mm×504mm×534mm(Total High) |



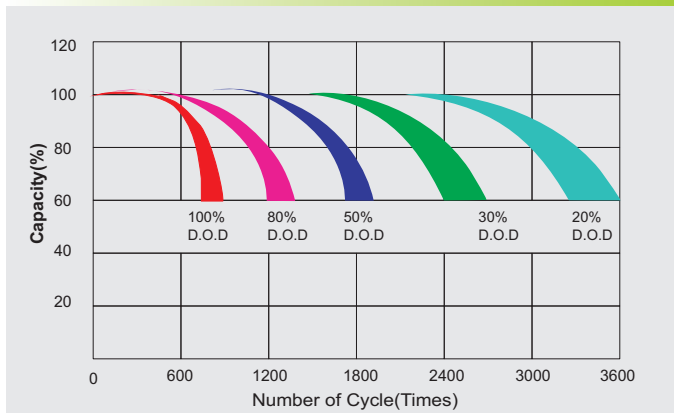
Constant Current Discharge Characteristics : A(25°C)

| F.V/Time | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR |
|----------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 397.9 | 278.6 | 161.4 | 120.9 | 98.6 | 88.4 | 76.7 | 59.7 | 49.3 |
| 1.65V | 388.7 | 272.2 | 157.7 | 118.1 | 96.4 | 86.4 | 74.9 | 58.3 | 48.2 |
| 1.70V | 377.9 | 264.6 | 153.3 | 114.8 | 93.7 | 84.0 | 72.8 | 56.7 | 46.8 |
| 1.75V | 363.5 | 254.4 | 147.4 | 110.4 | 90.1 | 80.8 | 70.0 | 54.5 | 45.0 |
| 1.80V | 347.0 | 243.0 | 140.8 | 105.4 | 86.0 | 77.1 | 66.9 | 52.1 | 43.0 |
| 1.85V | 328.7 | 230.3 | 133.4 | 99.9 | 81.5 | 73.1 | 63.4 | 49.3 | 40.8 |

Constant Power Discharge Characteristics : W(25°C)

| F.V/Time | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 6HR | 8HR | 10HR |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1.60V | 744.1 | 536.5 | 317.1 | 239.7 | 195.9 | 175.8 | 152.4 | 118.8 | 98.2 |
| 1.65V | 730.8 | 525.5 | 310.5 | 235.2 | 192.1 | 172.4 | 149.5 | 116.5 | 96.3 |
| 1.70V | 718.5 | 511.5 | 302.3 | 229.4 | 187.2 | 168.0 | 145.6 | 113.4 | 93.7 |
| 1.75V | 691.6 | 492.1 | 290.8 | 220.6 | 180.0 | 161.5 | 140.0 | 109.0 | 90.1 |
| 1.80V | 661.0 | 472.4 | 279.2 | 210.7 | 172.0 | 154.3 | 133.7 | 104.1 | 86.0 |
| 1.85V | 629.9 | 451.0 | 266.5 | 199.8 | 163.0 | 146.2 | 126.7 | 98.7 | 81.5 |

Life characteristics of cyclic use



Charge characteristic Curve for cycle use

