

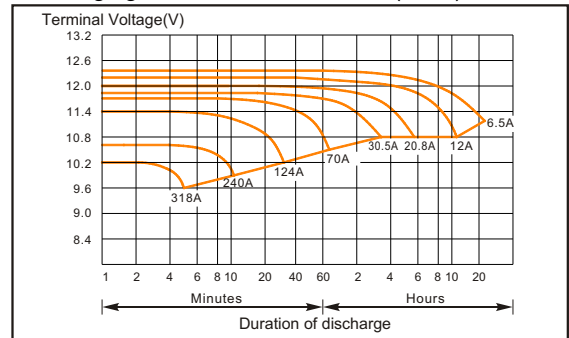
Specifications

| | | |
|------------------------------|--------|-------------------------|
| Nominal Voltage | | 12V |
| Rated Capacity(10 hourrate) | | 120Ah |
| Total Height(with terminals) | | 247mm (9.72 inches) |
| Dimension | Height | 225mm (8.86 inches) |
| | Length | 203mm (7.99 inches) |
| | Width | 497mm (19.57 inches) |
| Weight | | Approx.51Kg (112.43lbs) |

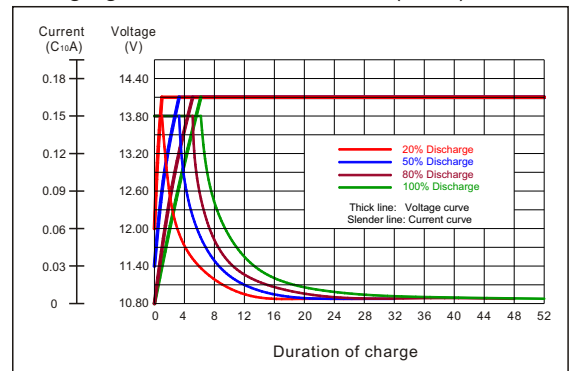
Characteristics

| | | |
|--------------------------------------|--------------------------------|----------------------|
| Capacity (25°C) | 20Hr | 131Ah |
| | 10Hr | 120Ah |
| | 5Hr | 103Ah |
| | 1Hr | 70Ah |
| Internal Resistance(Full charged) | | 4.7 mΩ (25°C) |
| Capacity affected by temperature | 40°C | 109% |
| | 25°C | 100% |
| | 0 °C | 88% |
| | -15°C | 76% |
| Self-Discharge (25°C) | Capacity after 3 month storage | 92% |
| | Charging(25°C) | Cycle |
| Float | | 13.50V, 18A or small |
| Temperature compensation coefficient | | -0.018V / °C |

Discharging Characteristics Curves (25°C)



Charging Characteristics Curves(25°C)



Constant current discharge (Ampere @25°C)

| Final Voltage (V/cell) | Minute | | | | | | | Hour | | | | | | | |
|------------------------|--------|-----|-----|-----|-----|-----|----|------|----|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 30 | 40 | 50 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
| 1.85 | 216 | 180 | 157 | 139 | 112 | 88 | 74 | 63 | 40 | 29.9 | 23.9 | 20.4 | 17.6 | 14.0 | 11.9 |
| 1.80 | 240 | 198 | 169 | 149 | 116 | 91 | 78 | 67 | 41 | 30.5 | 24.2 | 20.8 | 17.9 | 14.2 | 12.0 |
| 1.75 | 264 | 214 | 180 | 157 | 120 | 95 | 80 | 70 | 42 | 30.8 | 24.5 | 20.9 | 18.0 | 14.3 | 12.1 |
| 1.70 | 286 | 226 | 190 | 166 | 124 | 98 | 82 | 71 | 42 | 31.1 | 24.7 | 21.0 | 18.1 | 14.4 | 12.2 |
| 1.65 | 301 | 240 | 202 | 174 | 126 | 100 | 84 | 72 | 42 | 31.3 | 24.8 | 21.1 | 18.2 | 14.5 | 12.4 |
| 1.60 | 318 | 247 | 209 | 180 | 127 | 101 | 84 | 73 | 43 | 31.4 | 25.0 | 21.2 | 18.4 | 14.6 | 12.5 |

Constant power discharge (Watt/cell @25°C)

| Final Voltage (V/cell) | Minute | | | | | | | Hour | | | | | | | |
|------------------------|--------|-----|-----|-----|-----|-----|-----|------|----|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 30 | 40 | 50 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
| 1.85 | 420 | 337 | 289 | 258 | 198 | 163 | 142 | 125 | 77 | 60.8 | 48.8 | 41.0 | 34.9 | 28.0 | 24.1 |
| 1.80 | 516 | 407 | 323 | 269 | 209 | 173 | 149 | 130 | 79 | 61.4 | 49.9 | 41.4 | 35.5 | 28.2 | 24.4 |
| 1.75 | 576 | 432 | 344 | 277 | 217 | 180 | 156 | 137 | 80 | 62.3 | 50.5 | 41.8 | 36.2 | 28.6 | 24.5 |
| 1.70 | 619 | 462 | 360 | 287 | 228 | 187 | 161 | 140 | 82 | 63.0 | 51.4 | 42.1 | 37.0 | 28.9 | 24.6 |
| 1.65 | 660 | 473 | 370 | 294 | 235 | 190 | 164 | 144 | 83 | 63.6 | 52.1 | 42.6 | 37.8 | 29.2 | 24.7 |
| 1.60 | 713 | 486 | 378 | 308 | 246 | 193 | 168 | 148 | 84 | 64.2 | 52.8 | 42.8 | 38.8 | 29.4 | 24.8 |

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Coslight for the last information.