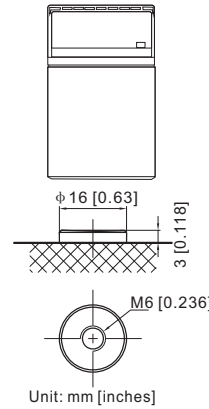
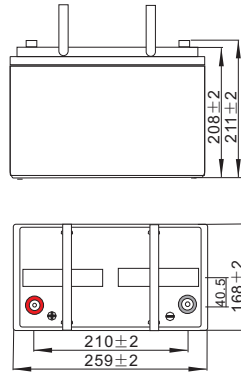


UPS ULTRA HIGH RATE

58EGPS-12-80-I(T6)(12V82AH)



Application

- ◆ UPS (High rate)
- ◆ High power backup supply
- ◆ Emergency power supply
- ◆ Emergency lighting
- ◆ Electric starting

Specification

| | | | | | |
|----------------------|-------------------------------------|-------------------------|------------------------------|---|----------------------|
| Battery Type | Valve-Regulated, Absorbed Glass Mat | | Self Discharge | ≤ 3% of capacity declined per month at 25°C | |
| Capacity | 324.6 Watts/cell | 15min rate (1.67V/cell) | Current | Max. Discharge Current (5s) | 1230A |
| | 82.0AH | 20HR (1.80V/cell) | | Initial Charging Current | Less than 24.6A |
| Dimensions | Length | 260mm (10.2inches) | Operating Temp. Range | Discharge | -15~50 °C (5~122 °F) |
| | Width | 168mm (6.61inches) | | Charging | 0~40 °C (32~104 °F) |
| | Height | 208mm (8.19inches) | | Storage | -15~40 °C (5~104 °F) |
| | Total height | 211mm (8.31inches) | Internal Resistance | Approx 4.5mΩ (25°C) | |
| Approx Weight | Approx 24.0 kg (52.9lbs) | | Container Material | ABS | |
| | | | Terminal | T6 | |

Constant Power Discharge (Watt/Cell) at 25°C (77°C)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 363.7 | 282.0 | 247.8 | 217.9 | 168.9 | 127.0 | 102.5 | 58.4 | 41.9 | 32.9 | 27.4 | 23.7 | 18.8 | 15.8 | 8.30 |
| 1.80V/cell | 413.0 | 307.7 | 269.0 | 232.7 | 176.4 | 130.6 | 105.2 | 59.9 | 42.9 | 33.7 | 28.1 | 24.3 | 19.3 | 16.1 | 8.42 |
| 1.75V/cell | 465.0 | 342.2 | 290.0 | 244.5 | 182.2 | 133.6 | 107.2 | 61.3 | 43.7 | 34.3 | 28.6 | 24.7 | 19.6 | 16.3 | 8.53 |
| 1.70V/cell | 506.0 | 366.8 | 305.4 | 257.5 | 189.6 | 137.9 | 109.5 | 61.9 | 44.4 | 34.9 | 29.1 | 25.0 | 19.8 | 16.5 | 8.61 |
| 1.67V/cell | 555.3 | 396.5 | 324.6 | 267.6 | 196.7 | 141.4 | 112.0 | 62.7 | 44.9 | 35.3 | 29.4 | 25.2 | 20.0 | 16.7 | 8.72 |
| 1.60V/cell | 603.6 | 423.4 | 339.1 | 279.0 | 202.3 | 145.1 | 113.5 | 63.3 | 45.1 | 35.7 | 29.7 | 25.5 | 20.2 | 16.8 | 8.73 |

Constant Current Discharge (Amperes) at 25°C (77°C)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 187.0 | 144.2 | 126.0 | 110.2 | 85.0 | 63.6 | 51.2 | 29.1 | 20.7 | 16.2 | 13.5 | 11.6 | 9.19 | 7.70 | 4.02 |
| 1.80V/cell | 214.5 | 158.9 | 138.1 | 118.8 | 89.5 | 65.9 | 52.9 | 30.0 | 21.4 | 16.7 | 13.9 | 12.0 | 9.46 | 7.86 | 4.10 |
| 1.75V/cell | 244.0 | 178.4 | 150.2 | 126.0 | 93.3 | 68.0 | 54.3 | 30.9 | 21.9 | 17.1 | 14.2 | 12.3 | 9.66 | 8.00 | 4.17 |
| 1.70V/cell | 268.6 | 193.4 | 160.1 | 134.1 | 98.1 | 70.9 | 55.9 | 31.4 | 22.4 | 17.6 | 14.6 | 12.5 | 9.82 | 8.14 | 4.24 |
| 1.67V/cell | 297.2 | 210.6 | 171.2 | 140.2 | 102.3 | 73.0 | 57.5 | 32.0 | 22.8 | 17.8 | 14.8 | 12.6 | 9.99 | 8.28 | 4.31 |
| 1.60V/cell | 326.7 | 227.3 | 180.7 | 147.6 | 106.3 | 75.7 | 58.8 | 32.6 | 23.1 | 18.2 | 15.1 | 12.9 | 10.2 | 8.43 | 4.36 |