

Product Image



Product Dimensions

Characteristics

| | | |
|---|---------------------------|---|
| Nominal Voltage | | 2V |
| Nominal Capacity (10 hour rate) | | 1000Ah |
| Capacity 25°C (77°F) | 20 hour rate (53A) | 1060Ah |
| | 5 hour rate (176.6A) | 883Ah |
| | 1 hour rate (550A) | 550Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤0.19mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | -20°C (-4°F) | 82% |
| | -35°C (-31°F) | 65% |
| Self-Discharge 25°C (77°F) Capacity | after 3 month storage | 90% |
| | after 6 month storage | 80% |
| | after 12 month storage | 62% |
| Charge (Constant Voltage) 25°C (77°F) | Float | Initial Charging Current Less than 200A Voltage 2.23-2.27V |
| | Cycle | Initial Charging Current Less than 200A Voltage 2.33-2.37V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 472mm |
| | Width | 172mm |
| | Height | 338mm |
| | Total Height | 355mm |
| Box Dimensions | Length | 494mm |
| | Width | 189mm |
| | Height | 412mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 62 kg±900g |
| Net weight Per Box | | 62kg |
| Gross Weight | | 63kg |

Discharge Constant Current (Amperes at 77°F25°C)

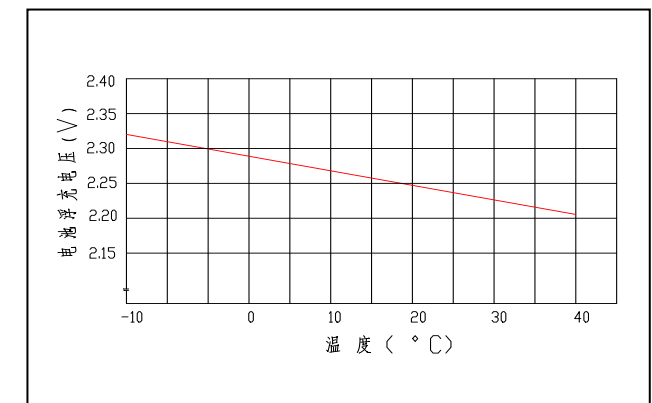
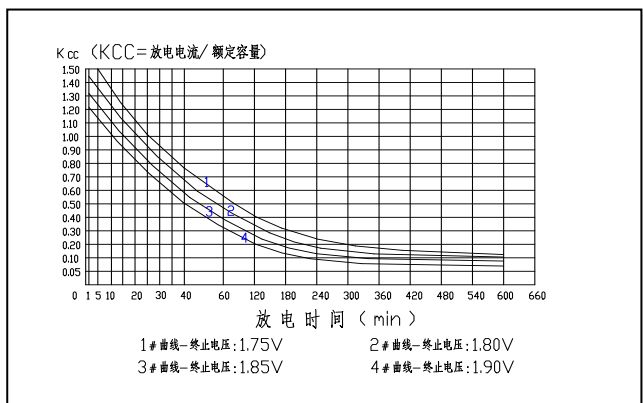
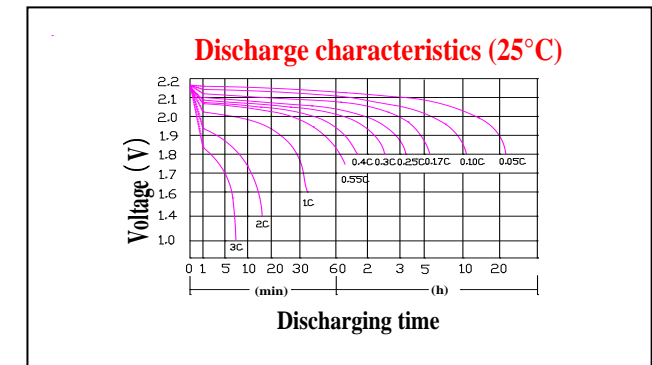
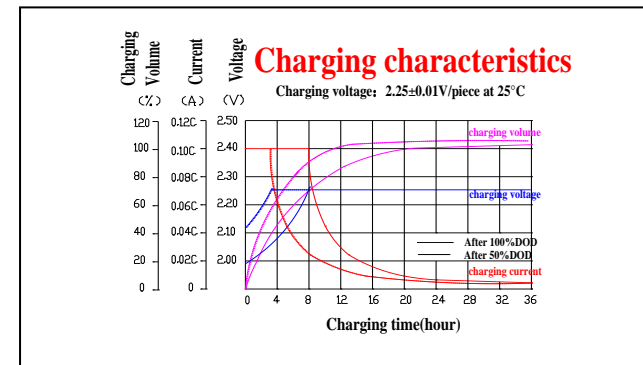
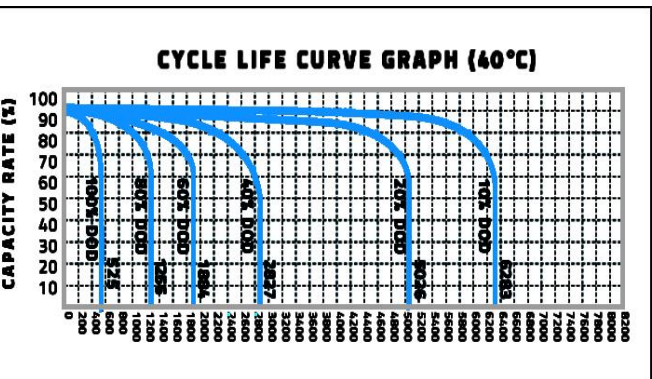
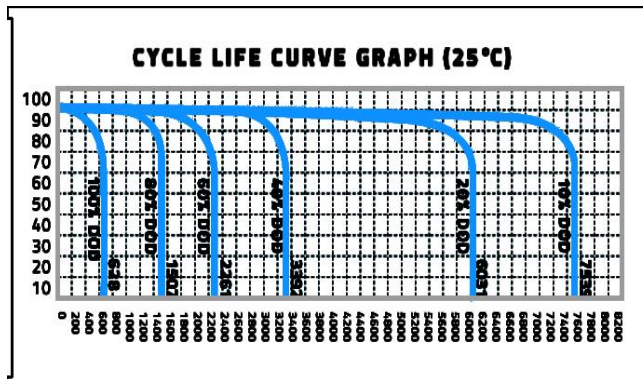
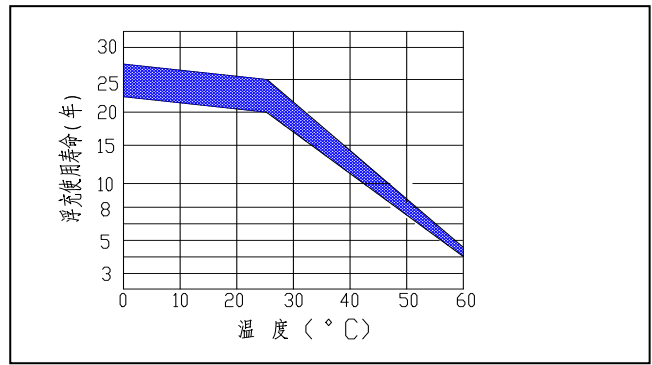
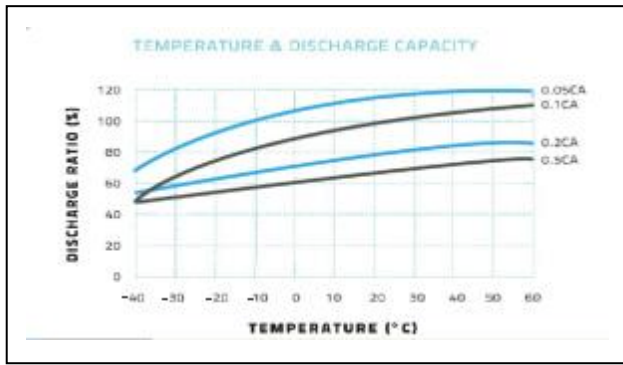
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|-----|-------|-------|-------|-------|------|
| 1.60V | 2794 | 1804 | 1496 | 990 | 737 | 550 | 429 | 275.0 | 187.0 | 123.2 | 110.0 | 58.3 |
| 1.65V | 2743 | 1771 | 1469 | 972 | 724 | 540 | 421 | 270.0 | 183.6 | 121.0 | 108.0 | 57.2 |
| 1.70V | 2692 | 1738 | 1442 | 954 | 710 | 530 | 413 | 265.0 | 180.2 | 118.7 | 106.0 | 56.2 |
| 1.75V | 2642 | 1706 | 1414 | 936 | 697 | 520 | 406 | 260.0 | 176.8 | 116.5 | 104.0 | 55.1 |
| 1.80V | 2540 | 1640 | 1360 | 900 | 670 | 500 | 390 | 250.0 | 170.0 | 112.0 | 100.0 | 53.0 |

Discharge Constant Power (Watts at 77°F 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|-----|-------|-------|-------|-------|-------|
| 1.60V | 5378 | 3473 | 2880 | 1906 | 1419 | 1059 | 826 | 529.4 | 360.0 | 237.2 | 211.8 | 112.2 |
| 1.65V | 5281 | 3410 | 2827 | 1871 | 1393 | 1040 | 811 | 519.8 | 353.4 | 232.8 | 207.9 | 110.2 |
| 1.70V | 5183 | 3346 | 2775 | 1836 | 1367 | 1020 | 796 | 510.1 | 346.9 | 228.5 | 204.1 | 108.1 |
| 1.75V | 5085 | 3283 | 2723 | 1802 | 1341 | 1001 | 781 | 500.5 | 340.3 | 224.2 | 200.2 | 106.1 |
| 1.80V | 4890 | 3157 | 2618 | 1733 | 1290 | 963 | 751 | 481.3 | 327.3 | 215.6 | 192.5 | 102.0 |

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **US** for the latest information.

Performance Characteristics



Battery Construction

| Component | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator | Electrolyte |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|-------------|
| Raw material | Lead dioxide | Lead | ABS | ABS | Si-Rubber | Copper | Fiberglass | Lead |

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