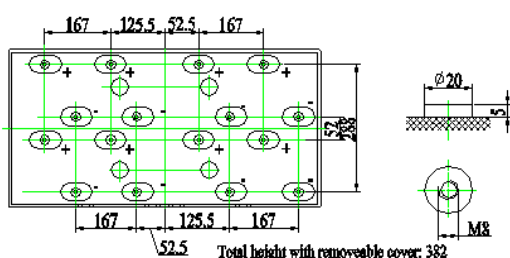
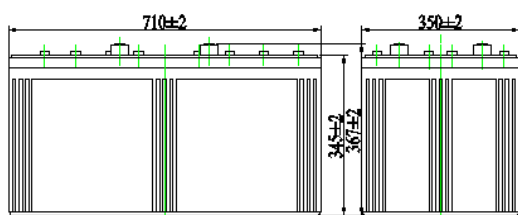


SL230000

(2V3000Ah/10hr)



The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position

General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers (UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Application

- Alarm System
- Cable Television
- Power tools
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Communication Equipment
- Control Equipment
- Toys

CONSTRUCTION

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

TECHNOLOGY PARAMETER

| | | | | |
|-------------------------------------|--|------------------|-----------------------|--------------|
| Battery model | SL230000 | | | |
| Designed Floating Life | 15 Years | | | |
| Capacity (25 °C) | 10hR(300A, 1.8V) | 5hR(540A, 1.75V) | 1hR(1860A, 9.60V) | |
| | 3000Ah | 2700Ah | 1860Ah | |
| Dimensions | Length | Width | Height | Total Height |
| | 710 ±2mm | 350 ±2mm | 345 ±2mm | 382 ±2mm |
| Approx. weight (±5%) | 193Kg | | | |
| Internal resistance | Full charged at 25 °C: 0.12mOhms | | | |
| Self discharge | 3% of capacity declined per month at 25 °C (average) | | | |
| Capacity Affected by Temp.(10HR) | 40 °C | 25 °C | 0 °C | -15 °C |
| | 102% | 100% | 85% | 65% |
| Charge Voltage (25 °C) | Cycle use | | Float use | |
| | 2.35-2.45V(-5mV/°C), max. Current: 600A | | 2.25-2.30V(-3.3mV/°C) | |

SL230000 (2V3000Ah/10hr)

Constant current discharge ratings-amperes at 25°C

| End Point Volts/Cell | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 8h | 10h |
|-------------------------|-------|-------|------|------|-----|-----|-----|-----|-----|
| 1.60V | 4033 | 2989 | 1860 | 1092 | 836 | 677 | 582 | 386 | 321 |
| 1.65V | 3839 | 2857 | 1803 | 1058 | 809 | 660 | 570 | 381 | 318 |
| 1.70V | 3639 | 2720 | 1747 | 1026 | 785 | 644 | 560 | 375 | 313 |
| 1.75V | 3436 | 2579 | 1688 | 985 | 750 | 619 | 540 | 365 | 307 |
| 1.80V | 3230 | 2434 | 1642 | 948 | 717 | 600 | 530 | 358 | 300 |

Constant power discharge ratings-watts at 25°C

| End Point Volts/Cell | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 8h | 10h |
|-------------------------|-------|-------|------|------|------|------|-----|-----|-----|
| 1.60V | 6050 | 4484 | 2976 | 1836 | 1423 | 1110 | 922 | 690 | 613 |
| 1.65V | 5759 | 4286 | 2895 | 1815 | 1386 | 1086 | 906 | 682 | 607 |
| 1.70V | 5459 | 4088 | 2814 | 1748 | 1346 | 1060 | 888 | 670 | 598 |
| 1.75V | 5154 | 3890 | 2733 | 1673 | 1302 | 1031 | 869 | 657 | 586 |
| 1.80V | 4845 | 3692 | 2652 | 1593 | 1268 | 992 | 826 | 639 | 576 |

