

KBL122000 12V 200Ah



La serie de KAISE larga vida 10 años ha sido diseñada para diversos usos, tales como UPS, eléctricos y aplicaciones de telecomunicaciones que requieren una larga vida útil.

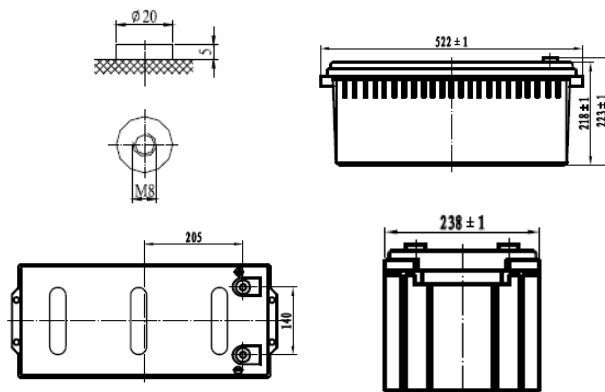
Performance Characteristics

| | | | |
|--|--|-----------------------------------|--|
| Nominal Voltage | 12V | | |
| Dimensions | Length (mm / inch) | 522 / 20.55 | |
| | Width (mm / inch) | 238 / 9.37 | |
| | Height (mm / inch) | 218 / 8.58 | |
| | Total Height (mm / inch) | 223 / 8.78 | |
| Approx. Weight | (Kg / lbs) | 59.1 / 130 | |
| Design Life | 10 years | | |
| Terminal | M8 | | |
| Container Material | ABS | | |
| Rated Capacity | 207Ah / 20.7A | (10hr, 1.70V / cell, 25°C / 77°F) | |
| | 177Ah / 35.4A | (5hr, 1.70V / cell, 25°C / 77°F) | |
| | 123Ah / 12.3A | (1hr, 1.70V / cell, 25°C / 77°F) | |
| Max. Discharge Current | 1000A (5s) | | |
| Internal Resistance | Approx 3.5 mΩ | | |
| Operating Temp. Range | Discharge : -20 ~ 60°C (-4 ~ 140°F) | | |
| | Charge : -10 ~ 60°C (14 ~ 140°F) | | |
| Temperatura nominal de funcionamiento. Rango | Storage : -20 ~ 60°C (-4 ~ 140°F) | | |
| | 25 ± 3°C (77 ± 5°F) | | |
| Uso cíclico | Initial Charging Current less than 40A. | | |
| | Voltage: 2.35VPC ~ 2.40VPC at 25°C (77°F) Temp. Coefficient: -30mV/°C | | |
| Uso en modo de espera | Initial Charging Current less than 40A. | | |
| | 2.25VPC~2.30VPC at 25° C (77°F) Temp. Coefficient: -20mV/°C | | |
| Capacidad afectada por | 40°C (104°F) | 103% | |
| | 25°C (77°F) | 100% | |
| | 0°C (32°F) | 86% | |
| Autodescarga | Las baterías completamente cargadas de Kaise Long Life Series pueden almacenarse hasta 6 meses a 25°C (77°F) y luego se requiere una carga refrescante. Para temperaturas más altas el intervalo de tiempo será más corto. | | |

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

| Volts/cell | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|------------|-------|-------|-----|------|------|------|-------|
| 1.80V | 250 | 168 | 117 | 45.7 | 33.9 | 20.0 | 10.50 |
| 1.75V | 269 | 175 | 120 | 47.1 | 34.7 | 20.4 | 10.55 |
| 1.70V | 288 | 181 | 123 | 48.2 | 35.4 | 20.7 | 10.60 |
| 1.65V | 308 | 188 | 126 | 49.1 | 36.2 | 20.9 | 10.65 |
| 1.60V | 327 | 196 | 129 | 50.3 | 36.9 | 21.1 | 10.70 |

Dimensiones y terminal (unidad: mm (pulgadas))



Applications

UPS

- Equipos de telecomunicaciones
- Sistemas de energía solar, Televisión por cable
- Central eléctrica
- equipo marino
- Equipamiento militar
- Sistemas de energía eléctrica de emergencia
- Sistemas ferroviarios

Certifications

ISO 9001:2008 ISO 14001:2008



Discharge Current vs. Discharge Voltage

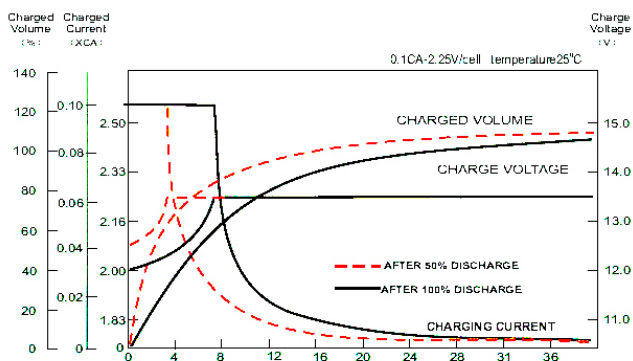
| Final discharge voltage V/CELL | 1.8 | 1.75 | 1.7 | 1.6 |
|--------------------------------|-----------|--------------------|---------------------|------------|
| Discharge current (A) | I ≤ 0.1CA | 0.25CA ≥ I > 0.1CA | 0.55CA ≥ I > 0.25CA | I > 0.55CA |

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

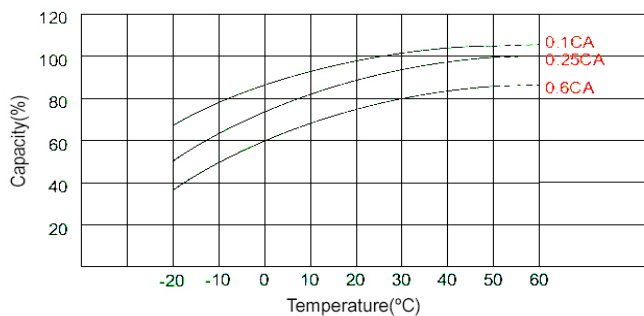
| Volts/cell | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|------------|-------|-------|-------|-----|-----|------|------|
| 1.80V | 482 | 319 | 247 | 228 | 124 | 92.4 | 68.1 |
| 1.75V | 512 | 332 | 252 | 233 | 128 | 93.4 | 68.6 |
| 1.70V | 530 | 347 | 257 | 238 | 131 | 94.8 | 69.1 |
| 1.65V | 547 | 360 | 262 | 243 | 134 | 96.1 | 69.7 |
| 1.60V | 566 | 374 | 268 | 248 | 137 | 97.4 | 70.3 |

(Nota) Los datos de características anteriores son valores medios obtenidos dentro de tres ciclos de carga / descarga, no los valores mínimos.

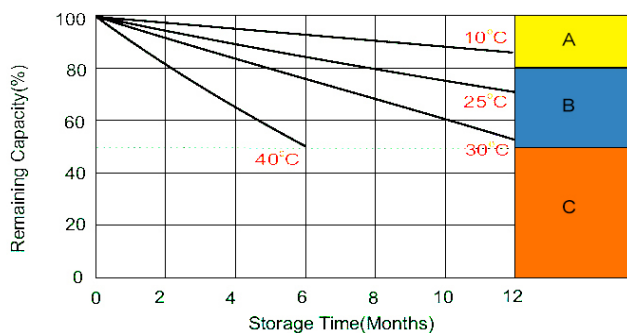
Charging Characteristics (cycle use)



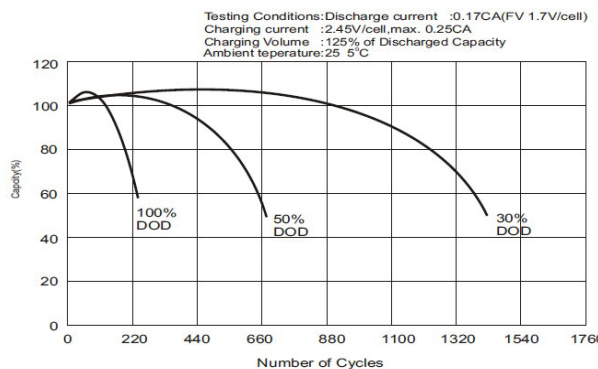
Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics



Cycle Life in Relation to Depth of Discharge



A No supplementary charge required
 (carry out supplementary charge before use if 100% capacity is required)

B Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25 CA and constant voltage 2.25V / cell.
 2. Charged for above 20 hours limited current 0.25CA and constant voltage 2.45V / cell.
 3. Charged for 8-10 hours at limited current 0.05 CA.

C Supplementary charge often fail to recover the capacity.
 The battery should never be left standing till this is reached.

IMPORTANT NOTE: The specifications presented herein are subject to revision without notice.

