

LC-X1265PG

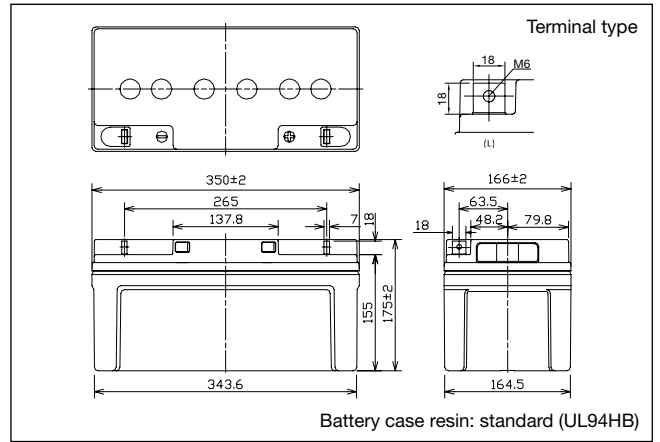
For standby power supplies. Expected trickle design life:
10 – 12 years at 20 °C according to Eurobat.

VdS

G199090



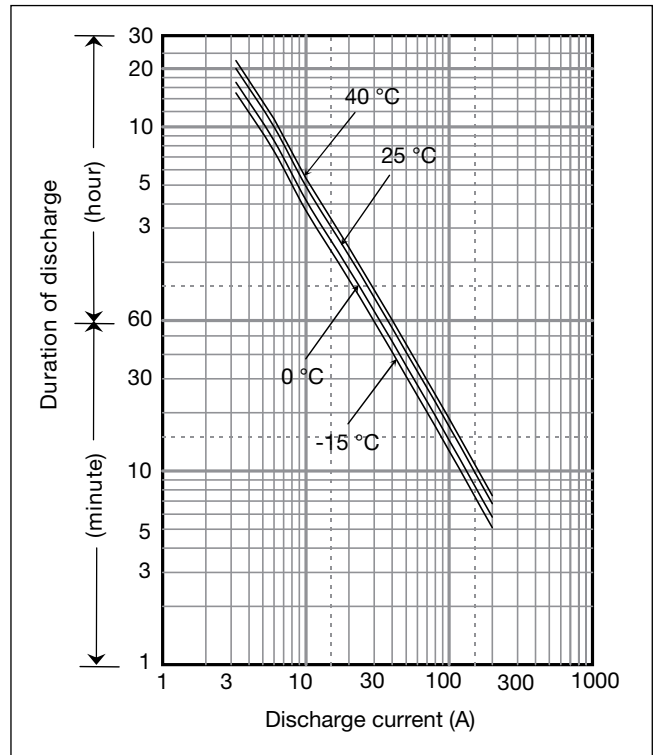
Dimensions (mm)



Specifications

| | | |
|---------------------------------|----------------------|--------|
| Nominal voltage | 12 V | |
| Nominal capacity (20 hour rate) | 65 Ah | |
| Dimensions | Length | 350 mm |
| | Width | 166 mm |
| | Height | 175 mm |
| | Total Height | 175 mm |
| Approx. mass | 20 kg | |
| Terminal | M6 Bolt and Nut type | |

Duration of discharge vs Discharge current



Characteristics

| | | |
|---|--|----------------------------------|
| Capacity (25 °C) | 20 hour rate 10 hour rate 5 hour rate 1 hour rate | 65 Ah 59 Ah 53 Ah 40 Ah |
| Internal resistance | Fully charged battery (25 °C) | 7 mΩ |
| Temperature dependency of capacity (20 hour rate) | 40 °C | 102 % |
| | 25 °C | 100 % |
| | 0 °C | 85 % |
| | -15 °C | 65 % |
| Self discharge (25 °C) | After 3 months | 91 % |
| | After 6 months | 82 % |
| | After 12 months | 64 % |

Watt Table

(Wattage/Battery)

| Cut-off V | 3min | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 10h | 20h | 24h |
|-----------|------|------|-------|-------|-------|-------|-------|-----|------|-----|-----|-----|-----|-----|------|------|------|
| 9.6V | 2235 | 1884 | 1439 | 1127 | 956 | 742 | 533 | 501 | 321 | 290 | 201 | 158 | 131 | 115 | 70.8 | 39.0 | 32.4 |
| 9.9V | 2180 | 1851 | 1422 | 1116 | 951 | 734 | 520 | 494 | 313 | 289 | 198 | 157 | 127 | 115 | 70.8 | 39.0 | 32.4 |
| 10.2V | 2010 | 1735 | 1386 | 1093 | 935 | 725 | 515 | 484 | 307 | 281 | 196 | 156 | 126 | 114 | 70.1 | 38.9 | 32.3 |
| 10.5V | 1787 | 1554 | 1284 | 1017 | 888 | 709 | 507 | 474 | 300 | 272 | 193 | 154 | 125 | 113 | 69.7 | 38.8 | 32.2 |
| 10.8V | 1509 | 1374 | 1145 | 949 | 865 | 685 | 499 | 465 | 292 | 259 | 189 | 152 | 122 | 111 | 69.0 | 38.6 | 32.0 |

Ampere Table

(Ampere/Battery)

| Cut-off V | 3min | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 10h | 20h | 24h |
|-----------|------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-----|------|------|------|
| 9.6V | 201 | 169 | 129 | 98.0 | 82.4 | 63.4 | 45.4 | 42.5 | 27.2 | 24.5 | 16.9 | 13.2 | 10.9 | 9.6 | 5.90 | 3.25 | 2.70 |
| 9.9V | 196 | 166 | 127 | 97.0 | 82.0 | 62.7 | 44.3 | 41.9 | 26.5 | 24.4 | 16.6 | 13.1 | 10.6 | 9.6 | 5.90 | 3.25 | 2.70 |
| 10.2V | 181 | 156 | 124 | 95.0 | 80.6 | 62.0 | 43.9 | 41.1 | 26.0 | 23.8 | 16.4 | 13.0 | 10.5 | 9.5 | 5.84 | 3.24 | 2.69 |
| 10.5V | 161 | 139 | 115 | 88.4 | 76.6 | 60.6 | 43.2 | 40.3 | 25.4 | 22.9 | 16.2 | 12.9 | 10.4 | 9.4 | 5.81 | 3.23 | 2.68 |
| 10.8V | 136 | 123 | 102 | 82.5 | 74.5 | 58.5 | 42.5 | 39.4 | 24.7 | 21.9 | 15.8 | 12.8 | 10.2 | 9.3 | 5.75 | 3.21 | 2.66 |

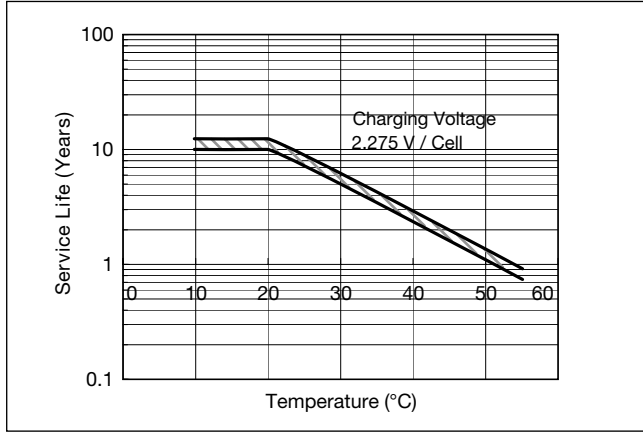
Charging Method

Trickle use Control voltage: 13.6 - 13.8 V; Initial current: 9.75 A or smaller

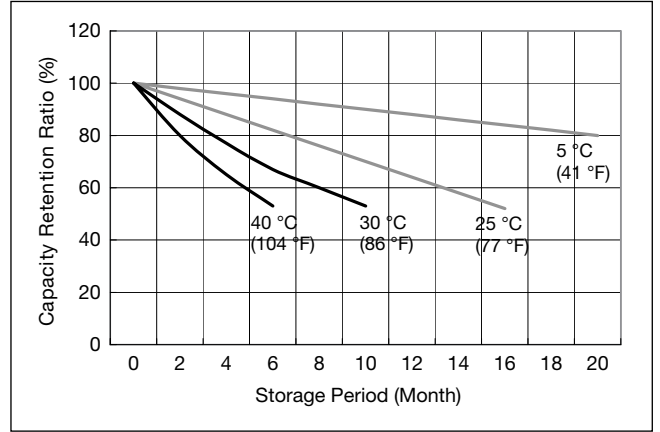
Cut off voltage

| | | | | | |
|---------------------|---------------|---------------|---------------|--------------|---------------|
| Discharge current | 3.25 A - 13 A | 13 A - 32.5 A | 32.5 A - 65 A | 65 A - 130 A | 130 A - 195 A |
| Cut off voltage (V) | 10.5 | 10.2 | 9.9 | 9.3 | 8.7 |

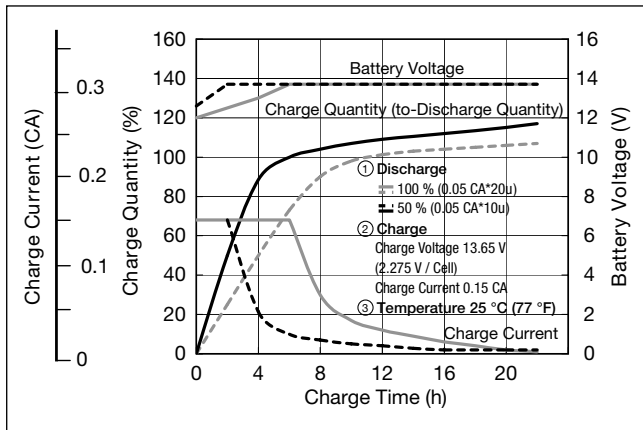
Influence of Temperature on Trickle life



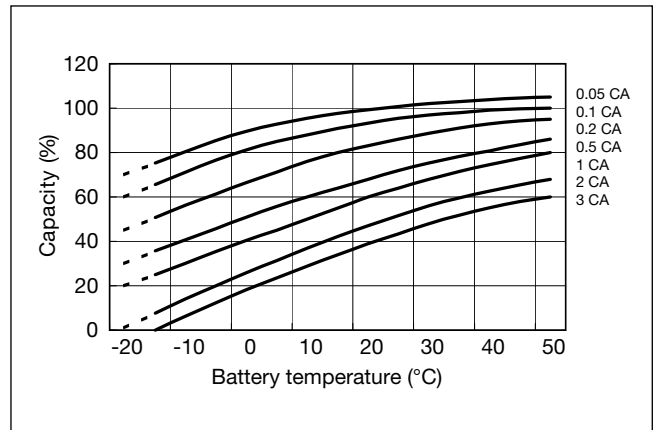
Residual capacity vs storage period



Constant-voltage and constant-current charge characteristics for Trickle use



Discharge capacity by temperature and by discharge current



Discharge characteristics

