

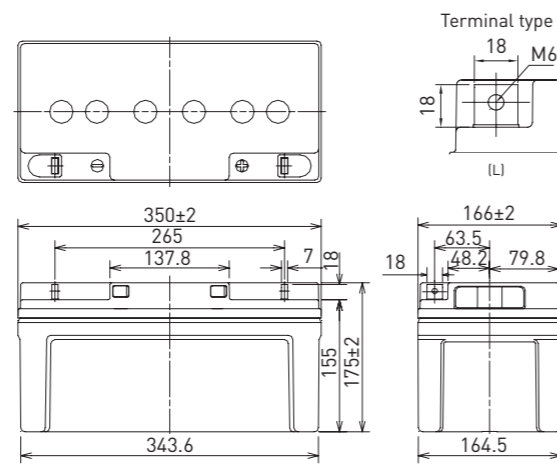
LC-P1275P

DIMENSIONS (MM)



Contents indicated (including the recycle marking, etc.) are subject to change without notice.

FOR STANDBY POWER SUPPLIES.
EXPECTED TRICKLE DESIGN LIFE: 10 - 12 YEARS AT 20°C
ACCORDING TO EUROBAT.

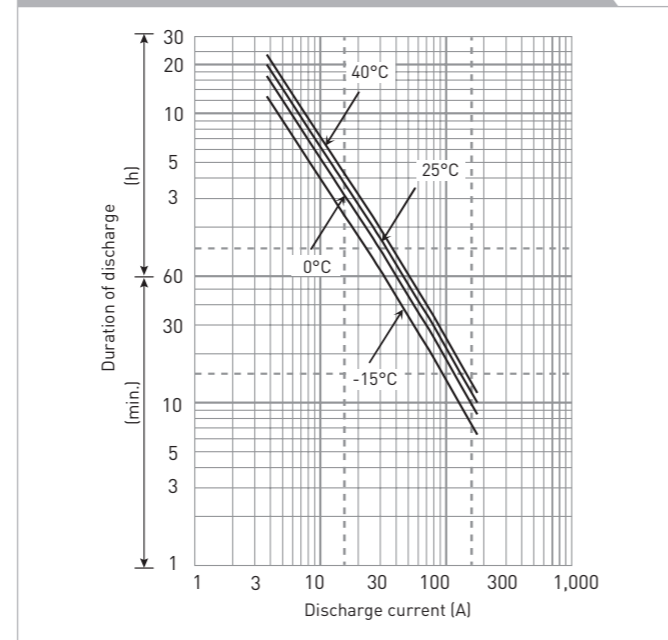


Battery case resin: flame retardant (UL94 V-0)

SPECIFICATIONS

| | | |
|---|----------------|----------------------------------|
| Name | | LC-P1275P |
| Nominal voltage | | 12V |
| Nominal capacity (20 hour rate) | | 75Ah |
| Dimensions | Length | 350mm |
| | Width | 166mm |
| | Height | 175mm |
| Approx. mass | | 21.5kg |
| Terminal | | M6 bolt/nut |
| Capacity (25°C) | 20 hour rate | 75Ah |
| | 10 hour rate | 70Ah |
| | 3 hour rate | 53Ah |
| | 1 hour rate | 50Ah |
| Impedance | | Fully charged battery (25°C) 7mΩ |
| 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 month | 91% |
| | After 6 month | 82% |
| | After 12 month | 64% |

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

| Cut-off | [Wattage/battery] | | | | | | | | | | | | | | |
|---------|-------------------|--------|--------|--------|--------|--------|-----|------|-----|-----|-----|-----|-----|------|------|
| | 5min. | 10min. | 15min. | 20min. | 30min. | 45min. | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 10h | 20h |
| 9.6V | 2,273 | 1,985 | 1,546 | 1,313 | 962 | 702 | 555 | 411 | 327 | 220 | 171 | 149 | 125 | 79.5 | 45.0 |
| 9.9V | 2,233 | 1,950 | 1,538 | 1,306 | 955 | 683 | 553 | 403 | 325 | 216 | 169 | 147 | 124 | 79.1 | 45.0 |
| 10.2V | 2,093 | 1,827 | 1,531 | 1,290 | 940 | 679 | 549 | 400 | 321 | 215 | 168 | 146 | 123 | 78.6 | 45.0 |
| 10.5V | 1,875 | 1,637 | 1,446 | 1,230 | 925 | 671 | 546 | 395 | 317 | 210 | 166 | 144 | 122 | 78.2 | 45.0 |
| 10.8V | 1,657 | 1,447 | 1,400 | 1,200 | 911 | 580 | 473 | 355 | 301 | 205 | 164 | 143 | 120 | 77.8 | 44.1 |

AMPERE TABLE (25°C)

| Cut-off | [Ampere/battery] | | | | | | | | | | | | | | |
|---------|------------------|--------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|------|
| | 5min. | 10min. | 15min. | 20min. | 30min. | 45min. | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 10h | 20h |
| 9.6V | 241 | 177 | 134 | 116 | 86.9 | 61.5 | 51.0 | 34.8 | 27.6 | 18.5 | 14.3 | 12.4 | 10.4 | 7.14 | 3.75 |
| 9.9V | 237 | 175 | 132 | 113 | 86.3 | 59.9 | 50.8 | 34.1 | 27.4 | 18.2 | 14.2 | 12.2 | 10.3 | 7.11 | 3.75 |
| 10.2V | 222 | 167 | 130 | 111 | 84.9 | 59.5 | 50.5 | 33.8 | 27.1 | 18.1 | 14.0 | 12.1 | 10.2 | 7.07 | 3.75 |
| 10.5V | 199 | 159 | 126 | 109 | 83.6 | 58.9 | 50.2 | 33.4 | 26.8 | 17.7 | 13.9 | 12.0 | 10.1 | 7.04 | 3.75 |
| 10.8V | 176 | 151 | 122 | 106 | 82.3 | 50.8 | 43.5 | 30.1 | 25.4 | 17.3 | 13.7 | 11.9 | 10.0 | 7.00 | 3.68 |

All mentioned values are average values

LC-P1275P

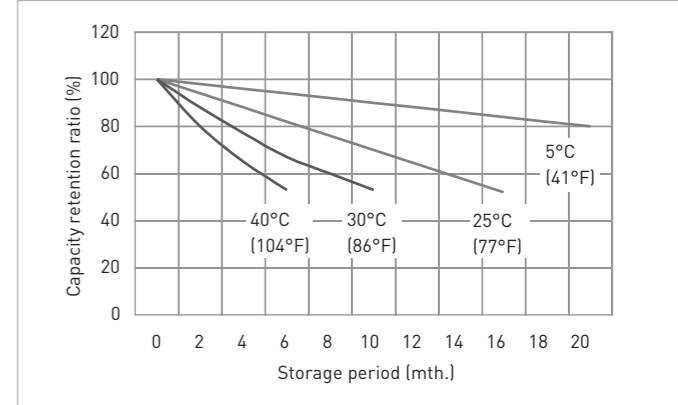
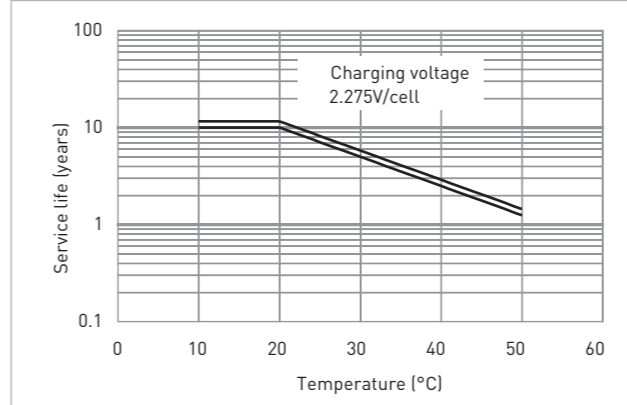
CHARGING METHOD (25°C)

Trickle use Control voltage: 13.6V - 13.8V
Initial current: 11.3A or smaller

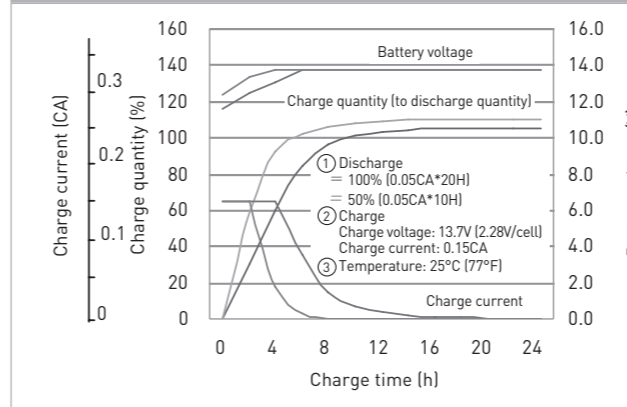
CUT-OFF VOLTAGE

| | | | | | |
|-------------------|---------------|---------------|---------------|--------------|-------------|
| Discharge current | 3.75A - 15.0A | 15.0A - 37.5A | 37.5A - 75.0A | 75.0A - 150A | 150A - 225A |
| Cut-off voltage | 10.5V | 10.2V | 9.9V | 9.3V | 8.7V |

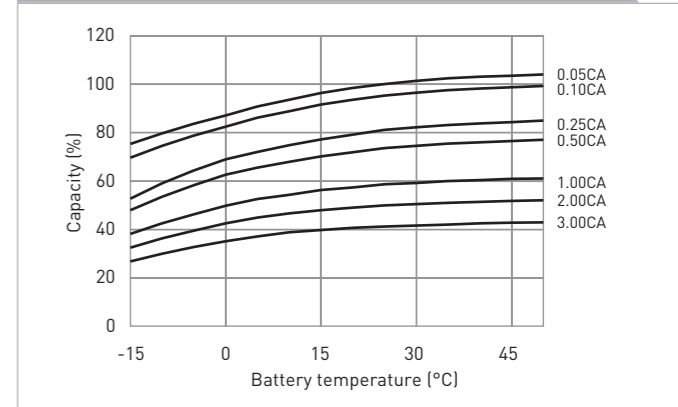
INFLUENCE OF TEMPERATURE ON TRICKLE LIFE



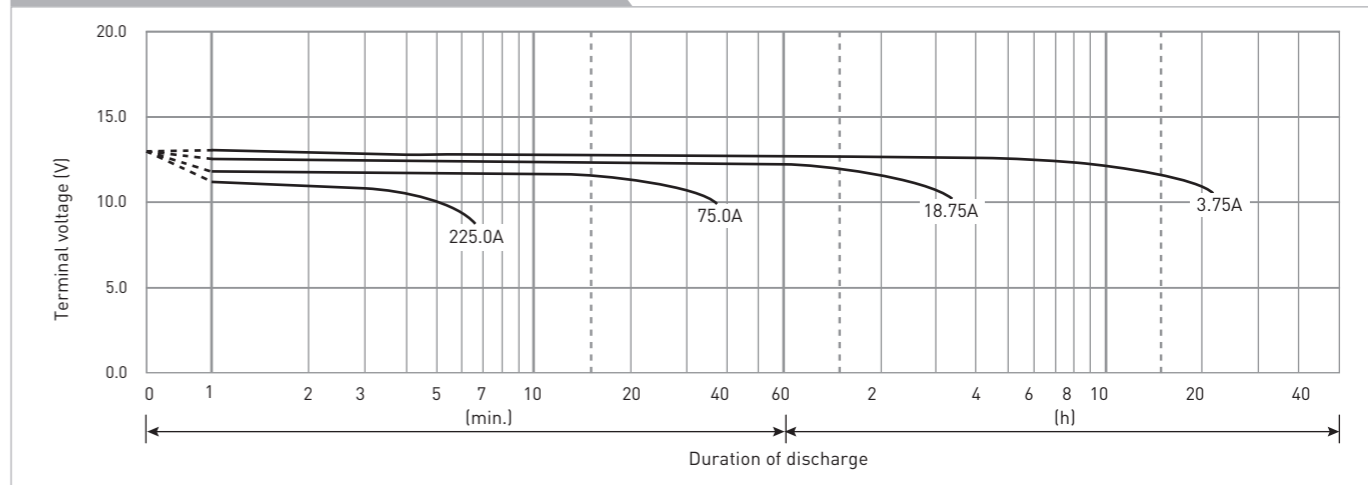
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR TRICKLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



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