

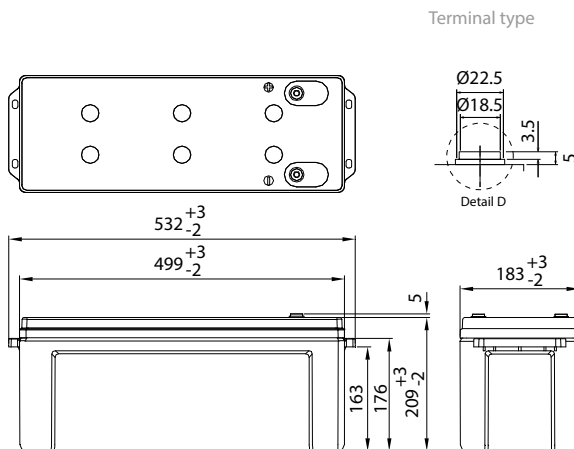


INDIVIDUAL DATA SHEETS

LC-P12150BP* 1

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

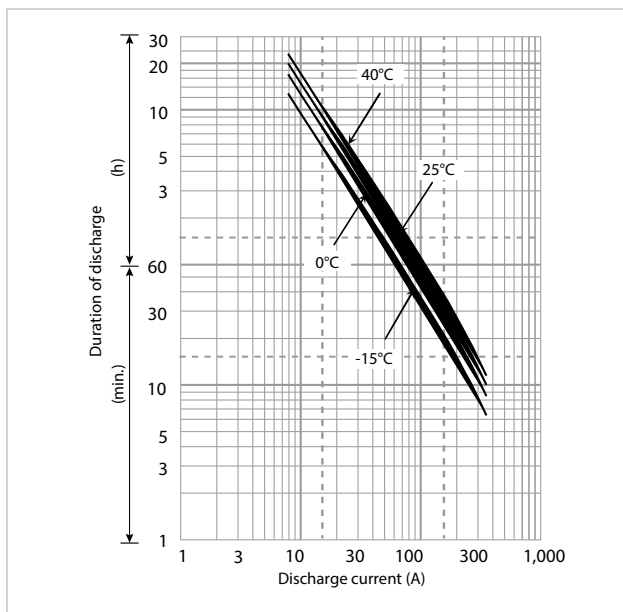
DIMENSIONS (MM)



Contents indicated (including the recycle marking, etc.) are subject to change without notice. Battery case resin: flame-retardant (UL94 V-0)

| Specifications | | LC-P12150BP* 1 |
|--|------------------------------|----------------|
| Nominal voltage (V) | | 12 |
| Nominal capacity | 20 hours rate (Ah) | 150 |
| Dimensions | Length (mm) | 183 |
| | Width (mm) | 532 |
| | Total height (mm) | 214 |
| Approx. mass (kg) | | 43.0 |
| Terminal type | | M8x20 insert |
| Capacity (25°C) | 20 hours rate (Ah) | 150 |
| | 10 hours rate (Ah) | 137 |
| | 3 hours rate (Ah) | 119 |
| | 1 hour rate (Ah) | 88 |
| Impedance (mΩ) | Fully charged battery (25°C) | 3.5 |
| | 40°C | 102 |
| Temperature dependency of capacity (%) – 20 hours rate | 25°C | 100 |
| | 0°C | 85 |
| | -15°C | 65 |
| | After 3 months (%) | 91 |
| Remaining capacity (25°C) | After 6 months (%) | 82 |
| | After 12 months (%) | 64 |

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

(Wattage/battery)

| Cut-off | 5min. | 10min. | 15min. | 20min. | 30min. | 45min. | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 10h | 20h |
|---------|-------|--------|--------|--------|--------|--------|-------|------|-----|-----|-----|-----|-----|-----|------|
| 9.6V | 5,040 | 3,780 | 3,000 | 2,390 | 1,774 | 1,310 | 1,046 | 791 | 608 | 444 | 348 | 284 | 242 | 164 | 91.2 |
| 9.9V | 4,925 | 3,689 | 2,923 | 2,334 | 1,727 | 1,276 | 1,013 | 763 | 596 | 437 | 342 | 281 | 240 | 163 | 91.2 |
| 10.2V | 4,340 | 3,405 | 2,833 | 2,261 | 1,672 | 1,238 | 976 | 724 | 592 | 433 | 339 | 278 | 237 | 163 | 91.1 |
| 10.5V | 4,020 | 3,216 | 2,751 | 2,197 | 1,641 | 1,208 | 947 | 695 | 585 | 428 | 334 | 274 | 235 | 161 | 90.3 |
| 10.8V | 3,850 | 2,839 | 2,661 | 2,149 | 1,601 | 1,163 | 910 | 659 | 576 | 420 | 328 | 268 | 232 | 160 | 90.3 |

AMPERE TABLE (25°C)

(Ampere/battery)

| Cut-off | 5min. | 10min. | 15min. | 20min. | 30min. | 45min. | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 10h | 20h |
|---------|-------|--------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|------|
| 9.6V | 490 | 350 | 266 | 217 | 164 | 120 | 97.2 | 70.0 | 59.0 | 42.1 | 32.9 | 27.3 | 23.0 | 14.0 | 7.58 |
| 9.9V | 479 | 342 | 259 | 212 | 159 | 117 | 94.1 | 67.5 | 58.0 | 41.3 | 32.3 | 26.7 | 22.6 | 13.9 | 7.58 |
| 10.2V | 422 | 315 | 251 | 206 | 154 | 114 | 90.7 | 64.1 | 56.9 | 40.4 | 31.5 | 26.0 | 22.2 | 13.8 | 7.50 |
| 10.5V | 381 | 298 | 244 | 200 | 151 | 111 | 88.0 | 61.5 | 55.8 | 39.8 | 31.0 | 25.7 | 22.0 | 13.7 | 7.50 |
| 10.8V | 334 | 263 | 236 | 195 | 148 | 107 | 84.6 | 58.3 | 54.4 | 38.8 | 30.3 | 25.2 | 21.6 | 13.5 | 7.49 |

All mentioned values are average values

*1 This battery is equipped with insert terminals.

LC-P12150BP* 1

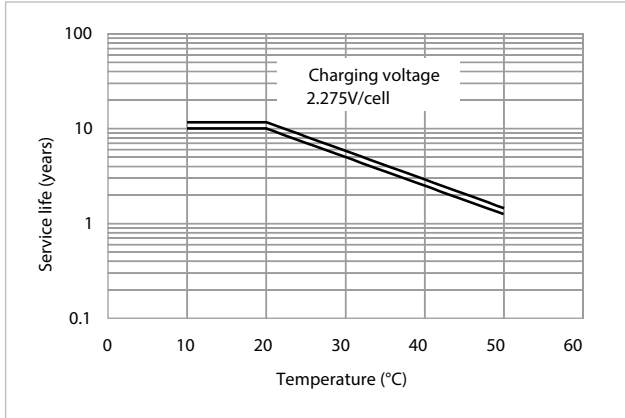
CHARGING METHOD (25°C)

| | |
|-----------|---|
| Cycle use | Control voltage: 13.6V - 13.8V Initial current: 22.5A or smaller |
|-----------|---|

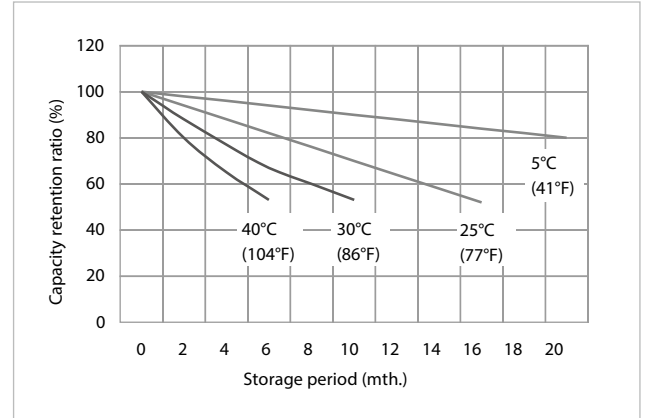
CUT-OFF VOLTAGE

| | | | | | |
|-------------------|---------------|---------------|--------------|-------------|-------------|
| Discharge current | 7.50A - 30.0A | 30.0A - 75.0A | 75.0A - 150A | 150A - 300A | 300A - 450A |
| Cut-off voltage | 10.5V | 10.2V | 9.9V | 9.3V | 8.7V |

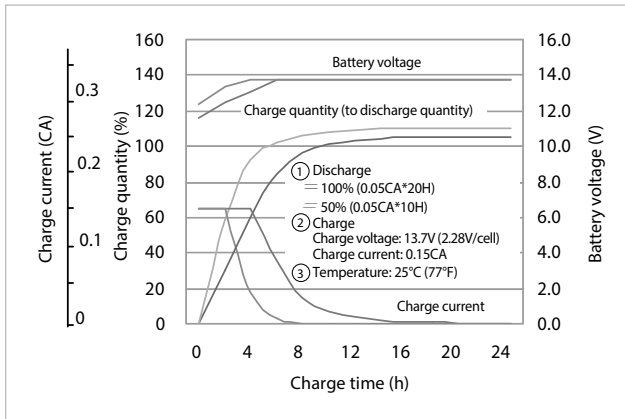
INFLUENCE OF TEMPERATURE ON TRICKLE LIFE



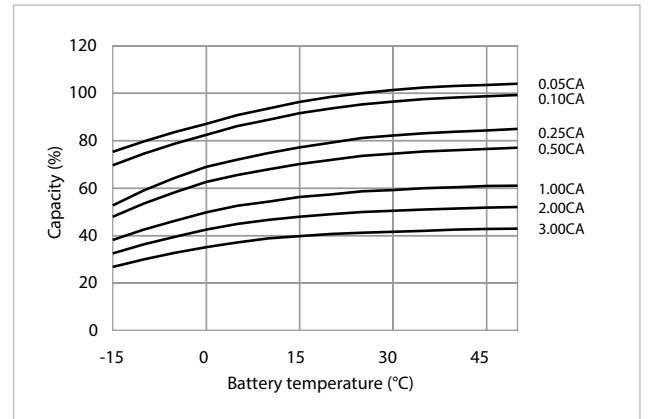
RESIDUAL CAPACITY TEST RESULT



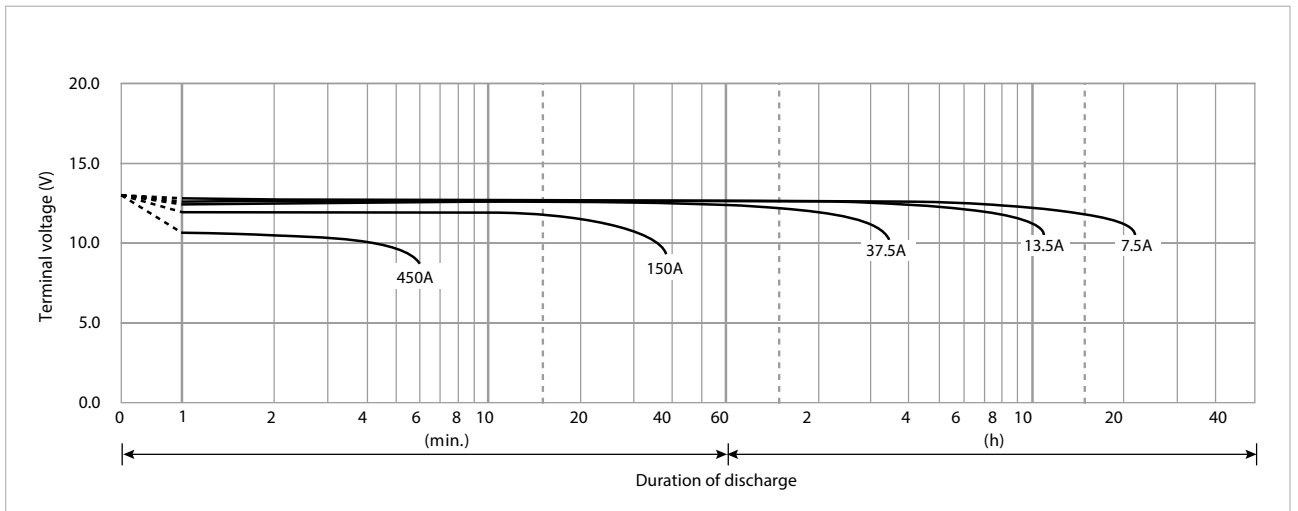
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR TRICKLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



*1 This battery is equipped with insert terminals.