

**Design Life
10 Years!**



EUROPOWER

Sealed lead-acid battery EPL type

EPL 110-12FT

● Characteristic

EUROPOWER batteries are made in AGM technology, constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, batteries can use in any direction without leakage.

EPL type batteries have been designed for standby use, with **10 years** designed life.

Front terminal connections for fast and easy installation and maintenance.

Battery design allows for 48VDC configuration in a standard 19" and 23" rack.

● Specification & Characteristics

| | | |
|--------------------------------|----------------|------------------|
| Model | | EPL 110-12FT |
| Nominal voltage | | 12 [V] |
| Rated capacity | | 110 [Ah] / 8 [h] |
| Dimensions | Height | 230 [mm] |
| | Length | 560 [mm] |
| | Width | 125 [mm] |
| Weight | | ~ 41.1 [kg] |
| Internal resistance | | < 3 [m] |
| Capacity 25 [°C] | 0 [h] | 112.2 [Ah] |
| | 8 [h] | 110 [Ah] |
| | 1 [h] | 72.9 [Ah] |
| Max. Discharge current | | 800 [A] (5 [s]) |
| Charging voltage 20 [°C] | Standby use | 13,5 to 13,8 [V] |
| | Cycle use | 14,5 to 15,0 [V] |
| Recommended charging current | | 11 [A] |
| Max. Charging current | | 33 [A] |

● Typical applications:

- DC telecom power supply systems
- GSM base stations

ENERGETICS

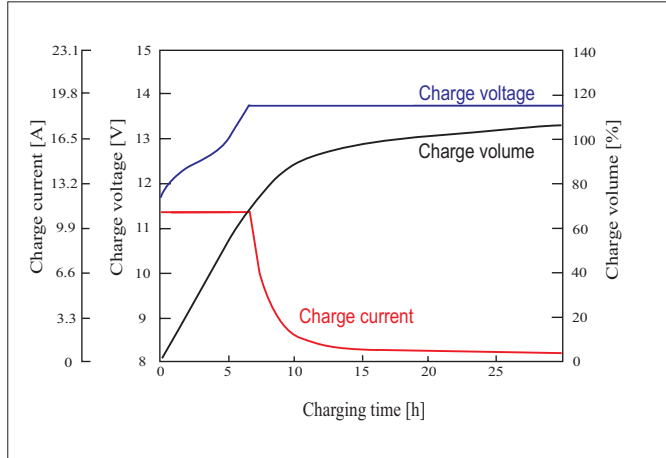
TELECOM

INDUSTRY

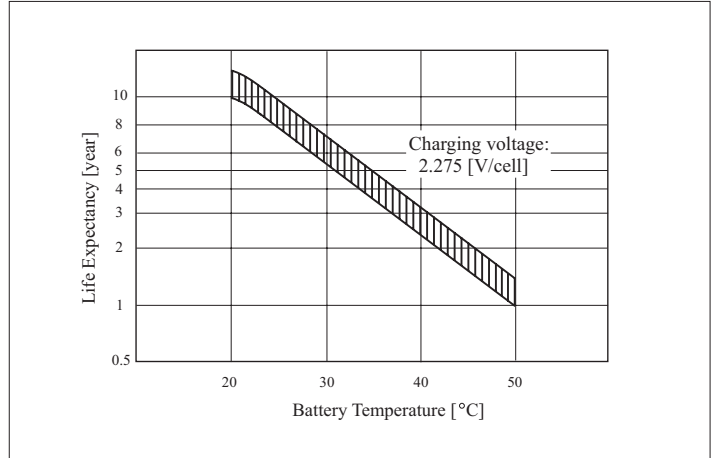


| | | | | |
|------------------|---------------------|-------------------|---------------|----------------|
| Mark | Type | Date of issue | Change number | Date of change |
| EUROPOWER | EPL 110-12FT | 19.11.2004 | 0 | - |

● Battery charging characteristics



● Effect of temp. on long term float life



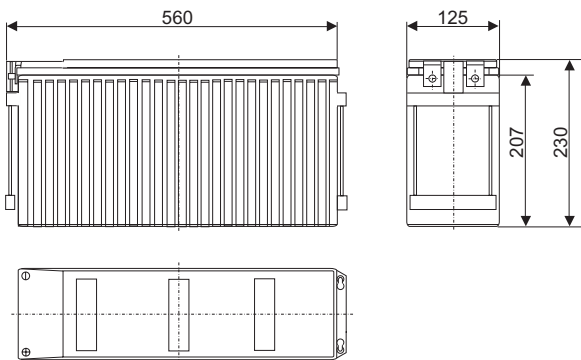
● Constant current discharge data (Current [A], 25 [°C])

| Final discharge voltage [V/cell] | Discharge time | | | | | | | | | | | | |
|----------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 12 h | 20 h | 24 h | 72 h | 100 h |
| 1,90 | 60,6 | 36,6 | 27,0 | 21,3 | 17,8 | 15,3 | 12,1 | 9,87 | 8,36 | 5,24 | 4,41 | 1,55 | 1,13 |
| 1,85 | 67,4 | 40,3 | 29,5 | 23,3 | 19,4 | 16,7 | 13,1 | 10,7 | 9,09 | 5,70 | 4,81 | 1,69 | 1,23 |
| 1,80 | 71,2 | 41,9 | 30,6 | 24,1 | 20,0 | 17,3 | 13,5 | 11,1 | 9,39 | 5,90 | 4,97 | 1,76 | 1,28 |
| 1,75 | 72,9 | 42,7 | 31,0 | 24,5 | 20,4 | 17,5 | 13,8 | 11,2 | 9,55 | 6,00 | 5,05 | 1,79 | 1,31 |
| 1,70 | 74,1 | 43,1 | 31,3 | 24,7 | 20,5 | 17,6 | 13,8 | 11,2 | 9,55 | 6,00 | 5,05 | 1,79 | 1,31 |
| 1,65 | 75,1 | 43,5 | 31,6 | 24,9 | 20,6 | 17,7 | 13,8 | 11,2 | 9,55 | 6,00 | 5,05 | 1,79 | 1,31 |

● Constant power discharge data (Power [W/cell], 25 [°C])

| Final discharge voltage [V/cell] | Discharge time | | | | | | | | | | | | |
|----------------------------------|----------------|--------|--------|--------|-------|------|------|------|------|------|------|------|------|
| | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h | 12 h | 20 h | 24 h |
| 1,80 | 604,0 | 471,8 | 396,5 | 238,7 | 139,4 | 82,8 | 60,9 | 40,0 | 27,1 | 22,2 | 18,8 | 11,8 | 9,90 |
| 1,75 | 699,3 | 511,2 | 415,0 | 247,7 | 142,8 | 84,3 | 61,7 | 40,8 | 27,5 | 22,4 | 19,1 | 12,0 | 10,1 |
| 1,70 | 741,7 | 529,7 | 427,7 | 253,0 | 145,1 | 85,1 | 62,3 | 41,0 | 27,5 | 22,4 | 19,1 | 12,0 | 10,1 |
| 1,65 | 776,2 | 542,3 | 437,7 | 256,8 | 147,1 | 85,9 | 62,9 | 41,2 | 27,5 | 22,4 | 19,1 | 12,0 | 10,1 |

● Dimensions [mm]



● Terminal Type [mm]

