

PRODUCT CHARACTERISTICS LITHIUM IRON PHOSPHATE BATTERY

- High temperature cells: 5-50°C
- 18650-cells
- Different Cell Configuration & Connectors
- Charging Time: 24h
- expected Lifespan: > 6 years
- 24 months warranty [Only for LFP batteries used with self-test devices with battery regeneration and at least four discharges per year. In combination with standard devices or self-test devices with fewer discharges, only a 12-month warranty applies]

ADVANTAGES OF LFP BATTERIES

- High level of safety: Due to the cell chemistry, LFP cells are considered intrinsically safe, i.e. thermal runaway and membrane melting, as with other lithium-ion batteries, are ruled out.
- High mechanical safety due to the metal cylinder shape [analogous to NiCd]. The electrodes also contain no unbound oxygen atoms, which react violently chemically when released into the air.
- Thanks to this fact, the nail test [nail penetration test according to UL 1642] is passed.
- High cycle stability: 75% residual capacity after 6 years at max. 55°C [one discharge per month].
- Low self-discharge, i.e. approx. 5% per month compared to 30% for NiCd and 35% for NiMH.
- Improved environmental compatibility due to the absence of heavy metals such as cobalt.
- Over 50% less space required thanks to smaller cells compared to NiCd and NiMH.
- Lower procurement costs compared to NiMH batteries.

TECHNICAL INFORMATION LFP-BATTERIES

| | 1 Cell | 2 Cell | 3 Cell |
|--------------|----------|----------|----------|
| Cell Voltage | 3,2V | 3,2V | 3,2V |
| Capacity | 1,5Ah | 3,0Ah | 4,5Ah |
| Height | 19mm | 19mm | 19mm |
| Width | 19mm | 19mm | 19mm |
| Length | 68mm | 135mm | 200mm |
| Weight | 45g | 90g | 130g |
| VPE | 98 Stück | 60 Stück | 40 Stück |

TEST MARK

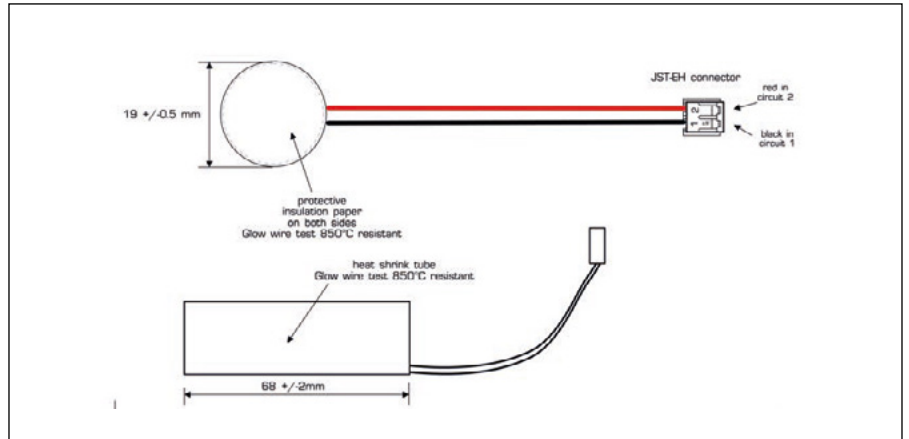
- CE [only for use in emergency lighting]
- UN38.3

CERTIFICATIONEN

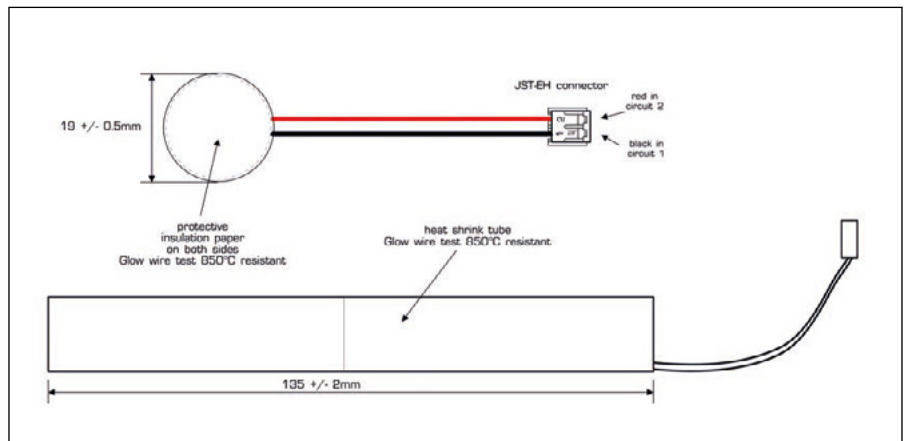
- EN 62620 [Performance]
- En 62133 [Safety]

DIMENSION DRAWING

1 cell LFP [NL-6-3963-3/1/EH]



2 cell LFP [NL-6-3963-3/3/EH]



3 cell LFP [NL-6-3963-3/4/EH]

