

# PA-LHC46.R001



## Dimensions

|        |        |        |
|--------|--------|--------|
| Length | 67mm   | ±1mm   |
| Width  | 18.6mm | ±0.5mm |
| Height | 41mm   | ±1mm   |

## Data for Pack

|                          |            |                            |  |       |        |
|--------------------------|------------|----------------------------|--|-------|--------|
| Nominal voltage          | 3.6V       | 2.5V - 4.2V                |  |       |        |
| Nominal capacity         | 5800mAh    | typical (5400mAh rated)    |  |       |        |
| Used cell in pack        | 2pcs       | Panasonic NCR-18650PF      |  |       |        |
| Internal resistance pack | 46.5mΩ     | ±10%                       |  |       |        |
| Charge voltage           | 4.2V       | max.                       |  |       |        |
| Charge current           | max        | 2.75A                      | 10°C < T < 45°C                          |       |        |
|                          | standard   | 5A                         | -20°C < T < 60°C *1)                     |       |        |
| Discharge                | max. cont. | 10A                        | 0°C < T < 40°C                           |       |        |
|                          | max. peak  | 20A                        | 0°C < T < 40°C t < 5ms                   |       |        |
|                          | NTC        | 10kΩ                       | Tolerance ±3%; B-value 25°C/85°C = 3980K |       |        |
| Connector                | Molex      | UltraFit                   | Pin1                                     | VBAT+ | Red    |
|                          |            |                            | Pin2                                     | NTC   | Yellow |
|                          |            |                            | Pin3                                     | GND   | Black  |
| Cable Length             | 90mm       | ±10mm                      |  |       |        |
| Weight                   | ca. 100g   | ±5g                        |  |       |        |
| Watt-hour rating         | 19.6Wh     | acc. to UN38.3 Certificate |  |       |        |

\*1) discharge in ambient temperatures lower than 0°C will result in limited performance in current output and usable capacity

## Limitations by Safety Unit (SU) @ Ta 25°C

|                          |            |        |                                       |
|--------------------------|------------|--------|---------------------------------------|
| Over voltage (per cell)  | cut off    | 4.275V | ±0.025V                               |
|                          | release    | 4.075V | ±0.025V                               |
| Under voltage (per cell) | cut off    | 2.3V   | ±0.05V                                |
|                          | release    | 2.3V   | ±0.05V                                |
| Current Limit by SU      |            | 17A    | >9ms (±2A)                            |
| Short circuit protection |            | Yes    | Implemented in Safety Unit            |
| Current Fuse             |            | 20A    | non reversible                        |
| Power consumption        | active     | 20μA   | max 35μA                              |
|                          | power down | 2μA    | max 5μA (power down when Ubat < 2.3V) |

## Recommended Charger

C-LIO-1SN15-1,8M-DIN4--PNG.R001