

# PA-LNB126.R002



picture only for reference

## Dimensions

|        |        |      |
|--------|--------|------|
| Length | 73mm   | ±1mm |
| Width  | 18.5mm | ±1mm |
| Height | 71.5mm | ±1mm |

## Data for Pack

|                          |            |   |  |      |
|--------------------------|------------|---|--|------|
| Nominal voltage          | 14.4V      | 10V - 16.8V (max.16,4V in medical applications/long term use) |  |      |
| Nominal capacity         | 3350mAh    | typical @ 4,2V/cell 3050mAh @ 4,1V/cell                       |  |      |
| Used cell in pack        | 4pcs       | Panasonic NCR-18650BF   |  |      |
| Internal resistance pack | 220mΩ      | ±10%  |  |      |
| Max charge voltage       | 16.8V      |   |  |      |
| Charge current           | standard   | 550mA   | 10°C < T < 45°C  |      |
|                          | rapid      | 1600mA  | 10°C < T < 45°C  |      |
| Discharge                | standard   | 670mA   | -20°C < T < 60°C <sup>*1)</sup>                        |      |
|                          | max. cont. | 3000mA  | -20°C < T < 60°C <sup>*1)</sup> (limited by connector) |      |
|                          | max. peak  | 5500mA  | -20°C < T < 60°C t < 400ms                             |      |
| Short circuit current    | ≤ 50A      | < 600μs   |  |      |
| NTC                      | 10kΩ       | Tolerance 5%; B-Value 25°C/85°C = 3980K                       |  |      |
| Connector                | JST        | XHP-3   | Pin1   | GND  |
|                          |            |   | Pin2   | NTC  |
|                          |            |   | Pin3   | Bat+ |
| Cable Length             | 45mm       | ± 5mm   |  |      |
| Weight                   | ca. 245g   | ± 5g  |  |      |
| Watt-hour rating         | 48Wh       | acc. to UN38.3 Certificate from cell                          |  |      |

\*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    | 4215mV                   | ±25mV                                     |
|                          | release    | 4150mV                   | ±50mV                                     |
| under voltage (per cell) | cut off    | 2400mV                   | ±80mV                                     |
|                          | release    | 3000mV                   | ±100mV                                    |
| Current Limit 1 by SU    | < 3500mA   | continuous (Upack > 12V) |   |
| Current Limit 2 by SU    | > 4500mA   | ± 1A t < 10 ms (typical) |   |
| short circuit protection | ≤ 30A      | t > 600μs                |   |
| Power consumption        | active     | 195μA                    | max.                                      |
|                          | power down | 2μA                      | max. (power down modus when Ucell < 2.4V) |

## Recommended Charger