

# PA-INB27-C17UL.4.2.R002



\*picture only for reference

## Dimensions

|        |        |
|--------|--------|
| Length | 55.1mm |
| Width  | 18.2mm |
| Height | 72.2mm |



IEC62133-2:2017



MH45979 4)

## Data for Pack

|  |            |  |           |
|--|------------|--|-----------|
| Nominal voltage                            | 10.905V    | 7.8V - 12.6V (usable voltage range)          |           |
| Nominal capacity                           | 3.5Ah      | typical                                      |           |
| Used cells in pack                         | 3pcs       | LG Chem INR18650MJ1                          |           |
| Internal resistance pack                   | 270mΩ      | ±20% @ 1000Hz AC, typ. Initial value         |           |
| Charge voltage                             | 12.6V      | max <sup>2)</sup>                            |           |
| Charge current                             | low temp   | 0.5A 0°C < T < 10°C <sup>3)</sup>            |           |
|  | standard   | 1.75A 10°C < T < 45°C <sup>3)</sup>          |           |
| Discharge                                  | standard   | 0.67A -20°C < T < 60°C <sup>1) 3)</sup>      |           |
|  | max cont.  | 5A -20°C < T < 60°C <sup>1) 3)</sup>         |           |
|  | max peak 1 | 15A -20°C < T < 60°C <sup>3)</sup> t < 100ms |           |
|  | max peak 2 | 30A -20°C < T < 60°C <sup>3)</sup> t < 0.2ms |           |
| Over Voltage Cut-off (per cell)            | 4.215V     | safety unit cut-off                          |           |
| Over Voltage release (per cell)            | 4.115V     |  |           |
| Under Voltage Cut-off (per cell)           | 2.6V       | typical @Ta 25°C; recovery = charger connect |           |
| Under Voltage release (per cell)           | 3V         | typical @Ta 25°C;                            |           |
| Discharge current protection               | >7A        | typical @Ta 25°C; recovery = load remove     |           |
| Charge current protection                  | >6A        | typical @Ta 25°C; recovery = charger remove  |           |
| load short circuit protection              | >100A      | typical @Ta 25°C; max 650μs                  |           |
| non resettable current fuse                | 10A        |  |           |
| non resettable second over voltage cut-off | 4.35V      | activate final fuse (per cell)               |           |
| non resettable temperature protection      | 120°C      | 110°C - 130°C, activate final fuse           |           |
| Connector                                  | Molex      | Microfit 3.0                                 | Pin1 Bat+ |
|  |            | 43645-0300                                   | Pin2 NTC  |
|  |            |  | Pin3 GND  |
| Cable Length                               | 142mm      | ± 5mm  |           |
| Weight                                     | 155g       | ± 5g   |           |
| Watt-hour rating                           | 38.16Wh    | acc. to UN38.3 TSR                           |           |

## Charging method

CC/CV Charger with NTC temperature control

- 1) below 0°C with limited performance data (current output and available capacity)
- 2) Recommended Charge Voltages: Medical applications = 12.3V; Standby / UPS = 12V
- 3) Cell surface temperature, not ambient
- 4) UL conditions of acceptability to be consider in end application