

PA-INB162Q-C17UL.4.2.R001



Dimensions

Length	37.5mm
Width	37.5mm
Height	71mm



IEC62133-2:2017



MH45979

*picture only for reference

Data for Pack

Nominal voltage	7.27V	5V - 8.4V (usable voltage range)			
Nominal capacity	7Ah	typical			
Used cells in pack	4pcs				
Internal resistance pack	77mΩ	±20%			
Charge voltage	8.4V	max ²⁾			
Charge current	standard	1.4A	0°C < T < 45°C ³⁾		
	rapid	3.5A	10°C < T < 45°C ³⁾		
Discharge	standard	1.4A	-20°C < T < 60°C ^{1) 3)}		
	max cont.	5A	-20°C < T < 60°C ^{1) 3)}		
	max peak 1	15A	0°C < T < 40°C ³⁾	t < 5ms	
	max peak 2	30A	0°C < T < 40°C ³⁾	t < 0.2ms	
Over Voltage Cut-off (per cell)	4.215V	safety unit cut-off ± 35mV			
Over Voltage release (per cell)	4.115V	± 35mV			
Under Voltage Cut-off (per cell)	2.4V	typical @Ta 25°C; recovery = charger connect			
Discharge current protection	6.67A	typical @Ta 25°C; recovery = load remove			
Charge current protection	5A	typical @Ta 25°C; recovery = charger remove			
load short circuit protection	54A	typical @Ta 25°C; max 600μs			
non resettable current fuse	7A				
non resettable second over voltage cut-off	4.35V	± 40mV			
non resettable temperature protection	120°C	typical			
Connector	Molex	Microfit 3.0 43645-0300	Pin1	Bat+	red
			Pin2	NTC	yellow
			Pin3	GND	black
Cable Length	142mm	± 5mm			
Weight	195g	± 5%			
Watt-hour rating	50.88Wh	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 = 8.2V; Standby / UPS = 8V
- 3) Cell surface temperature, not ambient

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