

# PA-LEP1270.R002



## Dimensions

Length	150mm	+/-2mm
Width	65mm	+/-1mm
Height	88mm	+/-2mm
incl. contacts	95,4mm	+/-2mm



IEC62133-2:2017



MH45979 4)

## Data for Pack

Nominal voltage	12.8 V	10V - 14.6 V	
Nominal capacity	7600 mAh	typical	
IEC designation	4IFpR27/66-2	LiFePo4	
Internal resistance pack	75 mΩ	±25 mΩ @ 20 °C	
Charge voltage	14.6 V	max. voltage; cut-off current 76 mA	
Charge current	standard	1.5 A	10 °C < T < 45 °C <sup>2)</sup>
	rapid	3.8 A	10 °C < T < 45 °C <sup>2)</sup>
Discharge	standard	1.5 A	-20 °C < T < 60 °C <sup>1), 2)</sup>
	cont.	7.6 A	-20 °C < T < 55 °C <sup>1), 2)</sup>
	cont.	10 A	-20 °C < T < 40 °C <sup>1), 2)</sup>
	max. peak 1	14 A	-20 °C < T < 60 °C <sup>1), 2)</sup> tmax < 50 ms @ 20 °C
Short circuit current	~200 A		
Connector	Faston Type	F1 / 4.8 mm	
Housing	flammability	UL94 V-0	
Storage @ 30% SOC	months	12	storage @ 20°C, (state of charge recheck min every 12 month req.)
Weight		1050 g	± 5%
Watt-hour rating		97.28 Wh	acc. to UN38.3 Certificate from cell

1) below 0°C with limited performance in current output and available capacity 2) Limited by cell temperature, not ambient temperature

4) UL conditions of acceptability to be considered in end application

## Limitations by Safety Unit (SU)

over voltage (per cell)	cut off	3.70 V	± 25 mV @ 20°C
	release	3.60 V	± 50 mV @ 20°C
under voltage (per cell)	cut off	2.20 V	± 100 mV @ 20°C
	release	2.50 V	± 100 mV @ 20°C
Current Limit 1 by SU		15.6 A	typical @ 20 °C; reaction time typ. 100 ms
Current Limit 2 by SU		31.2 A	typical @ 20 °C; reaction time typ. 17 ms
Short Circuit Protection		93.6 A	typical @ 20 °C; reaction time typ. 1 ms
Charge Current Protection		9.4 A	typical @ 20 °C; reaction time typ. 8 ms
Current Protection Release			Load remove @ discharge / Charger remove @ charge
Temperature protection against charge	T<5°C or T>50°C		± 5 K; temperature @ cell ; current is stopped outside range
Temperature protection against discharge	T > 65 °C		± 5 K; temperature @ cell ; current is stopped outside range
Power consumption	active	< 90 μA	@ U > 10 V and 20 °C
	shutdown	< 20 μA	@ U < 8.9 V and 20 °C

## Recommended Charger

CC/CV Charger 4s LiFePo4: Standby use 13,6V / initial max. 1,5A | cycle life 14,4V to 14,6V initial max. 3,8A, cut off @ 125mA; for optimal pack balance up to 60min. constant voltage 14,4V @ limited current of max. 70mA can be applied, then stop charge