

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 2)
	rapid	3.8 A	10 °C < T < 45 °C 2)
Discharge	standard	1.5 A	-20 °C < T < 60 °C 1), 2)
	cont.	7.6 A	-20 °C < T < 55 °C 1), 2)
	cont.	10 A	-20 °C < T < 40 °C 1), 2)
	max. peak 1	14 A	-20 °C < T < 60 °C 1), 2) 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