

PA-LS36.R001



*picture only for reference

Dimensions

Length	60.5mm	±1mm
Width	19.7mm ⁽¹⁾	±1mm
Height	71mm	±1mm

(1) swelling of cell after 600 cycles up to 1.6mm

Data for Pack

Nominal voltage		3.65V	2.5V - 4.2V				
Nominal capacity		5.8Ah	typical				
Used cell in pack		1pcs	Saft MP176065 INTEGRATIONTM Xtd				
Internal resistance pack		100mΩ	±10%				
Charge voltage		4.2V	max				
Charge current	standard	0.8A	-30°C < T < 85°C ²⁾				
	rapid	3A	-20°C < T < 60°C ²⁾				
Discharge	standard	0.8A	-40°C < T < 85°C ^{1), 2)}				
	max. cont.	3A	-40°C < T < 85°C ^{1), 2)} (connector limit)				
	max. peak	12A	-40°C < T < 85°C ^{1), 2)} t < 2ms				
Short circuit current		≤ 24A	< 320μs				
NTC		10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K				
Connector	JST	XHP	Pin1	Bat+	Pin4	NTC	
			Pin2	SDA	Pin5	GND	
			Pin3	SCL			
Cable Length		70mm	± 5mm				
Weight		150g	± 10g				
Watt-hour rating		20.88Wh	acc. to UN38.3 Certificate from cell				

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

Limitations by Safety Unit (SU) @ Ta 25°C

over voltage (per cell)	cut off	4.215V	± 0.025V
	release	4.115V	± 0.025V
under voltage (per cell)	cut off	2.3V	± 0.05V
	release	2.4V	± 0.05V
Current Limit 1 by SU		3.8A	t < 9ms
Current Limit 2 by SU		12.4A	t < 2.24ms
short circuit protection		≤ 24A	t < 320μs
Power consumption	active	70μA	max. 100μA
	power down	10μA	max. 25μA

Recommended Charger

CC/CV Charger with NTC Temperature control