

PA-L1805.R001



Dimensions

Length	245	± 2 mm
Width	170	± 2 mm
Height	72	± 2 mm

Data for Pack

Nominal voltage	36V	29V - 42V				
Nominal capacity	14.5Ah	typical (13.5Ah minimum)				
Used cell in pack	50pcs	Panasonic NCR-18650				
Internal resistance pack	110mΩ	90-120mΩ				
Max charge voltage	42V	external charger				
Charge current	max 5A	10°C < T < 45°C				
Discharge	standard	5.8A	-20°C < T < 45°C * ¹⁾			
	max. cont.	25A	-20°C < T < 45°C			
	max. peak	60A	-20°C < T < 45°C t < 10ms			
Short circuit current	≤ 100 A	t < 100μs				
NTC	10kΩ	Tolerance 5%; B-Value 25°C/85°C = 3980K				
Connectors	AMP	VAL-U-LOK	Pin 1,2,3	Pack- (GND)	Pin 6,7,8	SMBC
			Pin 4	I ² C Data	Pin 9	N.C.
			Pin 5	I ² C Clock	Pin 10	NTC
Weight	ca. 3.8kg					
Watt-hour rating	490Wh					acc. to UN38.3 Certificate from cell

*¹⁾ discharge in ambient temperatures lower than 0°C will result in limited performance in current output and usable capacity

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

Over voltage (per cell)	cut off	4200mV	± 50mV
	release	4100mV	± 50mV
Under voltage (per cell)	cut off	2900mV	± 50mV
	release	3400mV	± 50mV
Current Limit 1 by SU		> 26A	t < 1000ms (typical)
Current Limit 2 by SU		> 60A	t < 10ms (typical)
Short circuit protection		> 100A	t < 10μs
Power consumption	active	20mA	± 10mA
	sleep	300μA	± 100μA
ESD Protection		YES	free wheeling diode 5A