PA-L1805.R001

Dimensions

Lenght	245 mm	± 1 mm
Width	170 mm	± 1 mm
Height	72 mm	± 1 mm

Data for Pack							
Nominal voltage		36V	29V - 42V				
Nominal capacity		14.5Ah	typical				
Used cell in pack		50pcs	Panasonic NCR-18650				
Internal resistance pack		110mΩ	±10%				
Max charge voltage		42V	external charger				
Charge current	max	9A	10°C < T < 45°C				
Discharge	standard	5.8A	-20°C < T < 45°C *1)				
	max. cont.	20A	-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	TE Connectivity	VAL-U-LOK	Pin 1,2,3	Pack- (GND)	Pin 6,7,8	Pack+	
			Pin 4	I²C Data	Pin 9	N.C.	
			Pin 5	I²C Clock	Pin 10	NTC	
Weight		~ 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

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