

PA-L1410.R002



Dimensions

Length	245mm	± 0.5mm
Width	170mm	± 0.5mm
Height	72mm	± 0.5mm

*picture only for reference

Data for Pack

Nominal voltage	14.4V	12V - 16.8V	
Nominal capacity	22.5Ah	typical (21Ah minimum)	
Used cell in pack	40pcs	Panasonic UR-18650A	
Internal resistance pack	60mΩ	±10%	
Charge voltage	16.8V	max	
Charge current	standard	5A	10°C < T < 45°C ²⁾
	rapid	15A	10°C < T < 35°C ²⁾
Discharge	standard	5A	-20°C < T < 60°C ^{1), 2)}
	max. cont.	20A	0°C < T < 45°C ^{1), 2)}
	max. peak	40A	0°C < T < 45°C ^{1), 2)} t < 10ms
Short circuit current	xxA	< 300μs	
NTC	10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K	
Connector	AMP	VAL-U-Lok	Pin1,2,3 GND Pin6,7,8 Bat+
			Pin4 SMBD Pin9 n.c.
			Pin5 SMBC Pin10 NTC
Cable Length	n.a.		
Weight	ca. 4.6 kg	± 20g	
Watt-hour rating	304Wh	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	4.2V	±0.025V
	release	4V	±0.025V
under voltage (per cell)	cut off	2.5V	±0.05V
	release	3V	±0.05V
Current Limit 1 by SU		28A	t < 1000ms
Current Limit 2 by SU		65A	t < 30ms
short circuit protection		100A	t < 10μs typical
Power consumption	active	< 225μA	max
	shutdown	< 50μA	max

Recommended Charger

CC / CV Charger with temperature control

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