

# PA-L1410.R002



## Dimensions

Lenght	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	LG INR18650S3						
Internal resistance pack	60mΩ	±10%						
Charge voltage	16.8V	max						
Charge current	standard	5A	10°C < T < 45°C <sup>2)</sup>					
	rapid	12A	10°C < T < 35°C <sup>2)</sup>					
Discharge	standard	5A	-20°C < T < 60°C <sup>1), 2)</sup>					
	max. cont.	20A	0°C < T < 45°C <sup>1), 2)</sup>					
	max. peak	40A	0°C < T < 45°C <sup>1), 2)</sup> t < 10ms					
Short circuit current	120A	< 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. 3000g	± 20g						
Watt-hour rating	309.6Wh	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