

AKY2875

Model	INR21700-6S4P-200M		
Nominal voltage	21.6V		
Typical capacity	20000mAh		
Standard charge	CCCV 0.2C, 25.2V±0.05V, 0.02C cut-off		
Fast charge	CCCV 1C, 25.2V±0.05V, 0.02C cut-off		
Maximum continuous charge	CCCV 1C, 25.2V±0.05V, 0.02C cut-off	35 °C > T ≥ 15 °C	
Standard continuous discharge	DC, 0.2C, 15V cut-off		
Maximum continuous discharge	without temperature cut	DC, 4C, 15V cut-off	max. instantaneous discharge current: 18C (2s)
	with 75 °C temperature cut	DC, 7C, 15V cut-off	
Charge/Discharge voltage range	25.2V~15V		
Protection	-		
Number of cells	24		
Assembly configuration	6S4P		
Connector type	XT90		
Additional features	XH-Balancer		
Wires length (aprox.)	100mm		

Operation temperature	Charge	0~45 °C	
	Discharge	-20~60 °C	
Storage temperature	< 3 months	-10~45 °C	
	< 1 year	-10~25 °C	
Cycle life	500 th	≥80%	
Cycle life test conditions	Charge	CCCV 0.5C, 25.2V±0.05V, 0.02C cut-off	
	Discharge	DC, 1C, 15V cut-off, rest time: 30min after charging and 30min after discharge	
Relative capacity	Discharge temperature	-20 °C	80%
		0 °C	85%
		25 °C	100%
		55 °C	95%
Rated capacity test conditions	Charge	0.2C, 25.2V, CCCV 0.02C cut-off	
	Discharge	0.2C, 15V, DC cut-off voltage	
	Temperature	25±2 °C	
	Humidity	<65%RH	
Drop test	Performed with the IEC62133 standard		
Vibration test	Performed with the UN38.3 standard		

Notes

There shall be no defects such as rust, discoloration, leakage which may adversely affect commercial value of the cells.

Caution

The battery pack may present a risk of fire or chemical burns if mistreated.
Do not disassemble or modify the cells.
Do not expose the cells to flame or extreme heat.
Do not short circuit, over-charge or over-discharge the cells.
Do not subject the cells to strong mechanical shocks or physical damage.
Do not immerse the cells in water or expose it to moisture.
Do not reverse the polarity of the cells for any reason.
Do not store or handle the cell with metallic objects.
Do not solder directly onto the cells.
In event of leakage, do not make contact with electrolyte.
In event of electrolyte contact, wash yourself and seek medical attention immediately.
Do not use Lithium-ion cells in combination with other battery types.
Do not use or store the cells under direct sunlight.
Keep away from children and pets.
Replace battery with those of Akyga Battery brand only.
Do not dispose of the cell in regular household waste. Use designated recycling or hazardous waste facilities.

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Lithium – ion Cylindrical Battery Pack



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