



KLARUS LIGHTING TECHNOLOGY CO., LIMITED

BATTERY SPECIFICATION

Mode: 18GT-LT29

Cell: Panasonic NCR18650F 2900mAh/3.6V

Edition : A0

Date: 2018/05/30

Prepared By	Checked By	Approved By

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Revise Record		
Date	Edition	Revise Note
2018/5/30	A0	Initial Version

1、Basis Parameter

Contents		Detail Description
Type		<input checked="" type="checkbox"/> Cylinder Li-ion Battery <input type="checkbox"/> Polymer Li-ion Battery <input type="checkbox"/> Other:
		<input type="checkbox"/> 21700 <input checked="" type="checkbox"/> 18650 <input type="checkbox"/> 16340 <input type="checkbox"/> 14500 <input type="checkbox"/> Other:
Mode		18GT-LT29
Cell		Panasonic NCR18650F 2900mAh/3.6V
Nominal Voltage		3.6 V
Rated Capacity		2900 mAh
Energy		10.44 Wh
Charge	Mode	CC/CV
	Charge Voltage	4.20±0.05V
	Over-charge Protection Voltage	4.30±0.05V
	Standard Charge Current	580mA
	Max Charge Current	2900mA
	Total Charge Time	Standard Charge Time: Max 5.5h Quick Charge Time: Max 2h
Discharge	Max Discharge Current	8A (25°C)
	Over-discharge Protection Voltage	2.75±0.1V
Over Current Protection	Over Current Protection Current	12~16A
Short-Circuit Protection	Detection Times	5~200uS
Internal Impedance		≤100mΩ (AC 1K Hz after standard charge)
Current Consumption In Sleep Mode		≤30uA
Cycle Performance		≥500
Weight		47g
Size	Diameter	Max 18.7mm
	Height	Max 69.2mm
Operating Temperature	Charging	0°C~45°C
	Discharge	-40°C~65°C
Storage Temperature		-40°C~45°C

2、Cold Resistant Parameter

18GT-LT29 Discharge Parameter				
Discharge Temperature	580mA (0.2C)	1450mA (0.5C)	2900mA (1.0C)	Note:Under extremely cold environments, the 18GT-LT29 may not function at full power. Therefore it is recommended to use electronic devices at mid or low power in extreme temperatures.
0℃	89%	89%	90%	
- 20℃	83%	83%	83%	
- 40℃	70%	N/A	N/A	