



KLARUS LIGHTING TECHNOLOGY CO., LIMITED

BATTERY SPECIFICATION

Mode: 18GT-LT29UR

Cell: Panasonic NCR18650F 2900mAh/3.6V

Edition : A0

Date: 2018/06/12

Prepared By	Checked By	Approved By

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Revise Record		
Date	Edition	Revise Record
2018/6/12	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-LT29UR
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		48g
Size	Diameter	Max 18.8mm
	Height	Max 70.5mm
Operating Temperature	Charging	0°C~45°C
	Discharge	-40°C~65°C
Storage Temperature		-40°C~45°C

2、USB Recharge Parameter

Contents	Detail Description
USB Type	Micro-USB
Mode	CC/CV
USB Input Voltage	$5 \pm 0.2V$
USB Input Current	$\geq 1A$
USB Internal CC Mode Current	$700 \pm 50mA$
USB Charge Full Voltage	$4.20 \pm 0.05V$
USB Charge Full Cut Off Current	$< 45mA$
Charge Full Time	Max 4.5h
Charging Temperature	$< 65^{\circ}C$
Charging Status	Red: Charging; Green: Complete;

3、Cold Resistant Parameter

18GT-LT29UR Discharge Parameter				
Discharge Temperature	580mA (0.2C)	1450mA (0.5C)	2900mA (1.0C)	Note:Under extremely cold environments, the 18GT-LT29UR may not function at full power. Therefore it is recommended to use electronic devices at mid or low power in extreme temperatures.
0°C	89%	89%	90%	
-20°C	83%	83%	83%	
-40°C	70%	N/A	N/A	