



Datasheet 11/2024



*illustration similar

1S1P HI0101SN06 Battery Pack

- 1S1P Li-Ion Battery pack
- 3.6V nominal voltage
- 3.35Ah nominal capacity, 12Wh (UN38.3)
- Panasonic premium quality cell NCR18650BF
- High storage performance
- Shrink Foil

1S1P HI0101SN06 Battery Pack

Specifications

Item	Descriptions	Specifications	Remark
1	Model Number	HI0101SN06	
2	Cell	Panasonic NCR18650BF	
3	Configuration	1S1P	
4	Nominal Voltage	3.6V	3.6V*1S
5	Nominal Capacity	3.2Ah	3.2Ah*1P
6	Watt-Hour (UN38.3)	12Wh	Calculated: 12Wh (V * Ah)
7	Internal Resistance	<150mΩ	Measure from output terminal of battery pack
8	Recommended operation Temperature	Standard Charge Standard Discharge	0°C ... +45°C -20°C ... +60° C
9	Storage condition	< one month < three months	-20°C ... +50°C -20°C ... +40°C Percentage of recoverable capacity 80%
10	Humidity	30 ... 80%	
11	Charging Voltage (Maximum)	4.15V	
12	Charge Current	<1.5A	
13	Discharge Current avg.	<1.0A	
14	BMS Design (1S-11B)	(1) Over charge voltage threshold (2) Under voltage threshold (3) Over charge current threshold (4) Over discharge current threshold (5) Short circuit protection (6) Short circuit delay time (7) Pack internal resistance	(1) 4.20 ±0.025V (2) 2.80 ±0.05V (3) 2.0 ±0.8A (4) 3.0 ±0.55A (5) 10.0 ±4.0A (6) 300 ~ 360μs (7) <150mΩ
15	Connection type and pin definition	2 wires, length of 100mm ±10mm (Red P+ / Black P- / UL1007, 26AWG)	
16	Enclosure	Heat shrink	
17	Weight (g)	48g ±2g	
18	Dimension(mm)	Length: 67.8 ±0.5mm Diameter: 18.8 ±0.3mm	
19	IP standard	IP20	
20	Certifications	UN38.3 Rev. 7 IEC 62133-2 :2017/AMD1:2021 BS EN 62133-2:2017/AMD1:2021 IEC 60601-1-2 :2014+A1:2020 BS EN 60601-1-2:2015+A1 :2021 CE and UKCA UL2054	UN Transport Test Safety Safety UK EMC EMC UK DoC

1S1P HI0101SN06 Battery Pack

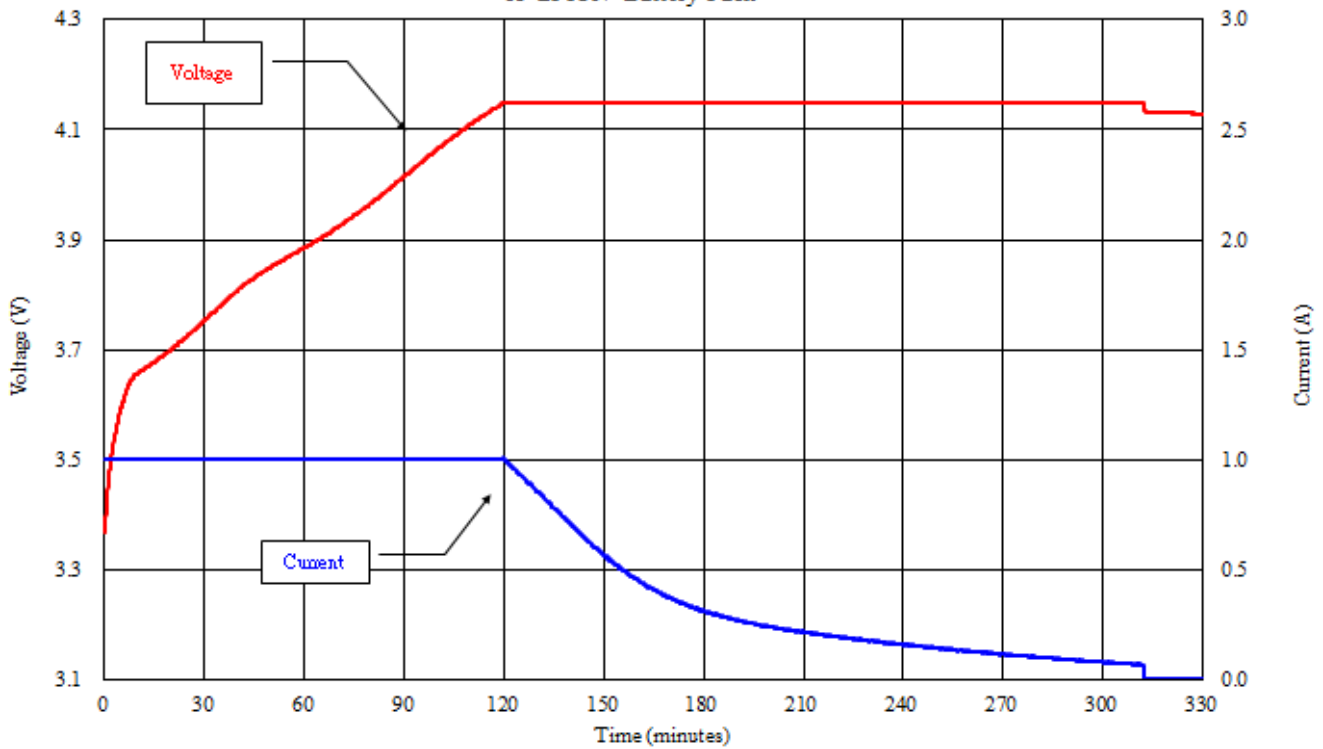
Charge Performance Curve

Charging condition	4.15V/ 1A, 0.064A end
Charging time	312.50min
Charging capacity	2.949Ah

充電設定4.15V 1A 64mA截止

NCR18650BF 1S1P HI0101SN06
Battery Voltage and Charging Current Curve
of LI-ION Battery Pack

Date of test: 2024/2/6
12:08PM



1S1P HI0101SN06 Battery Pack

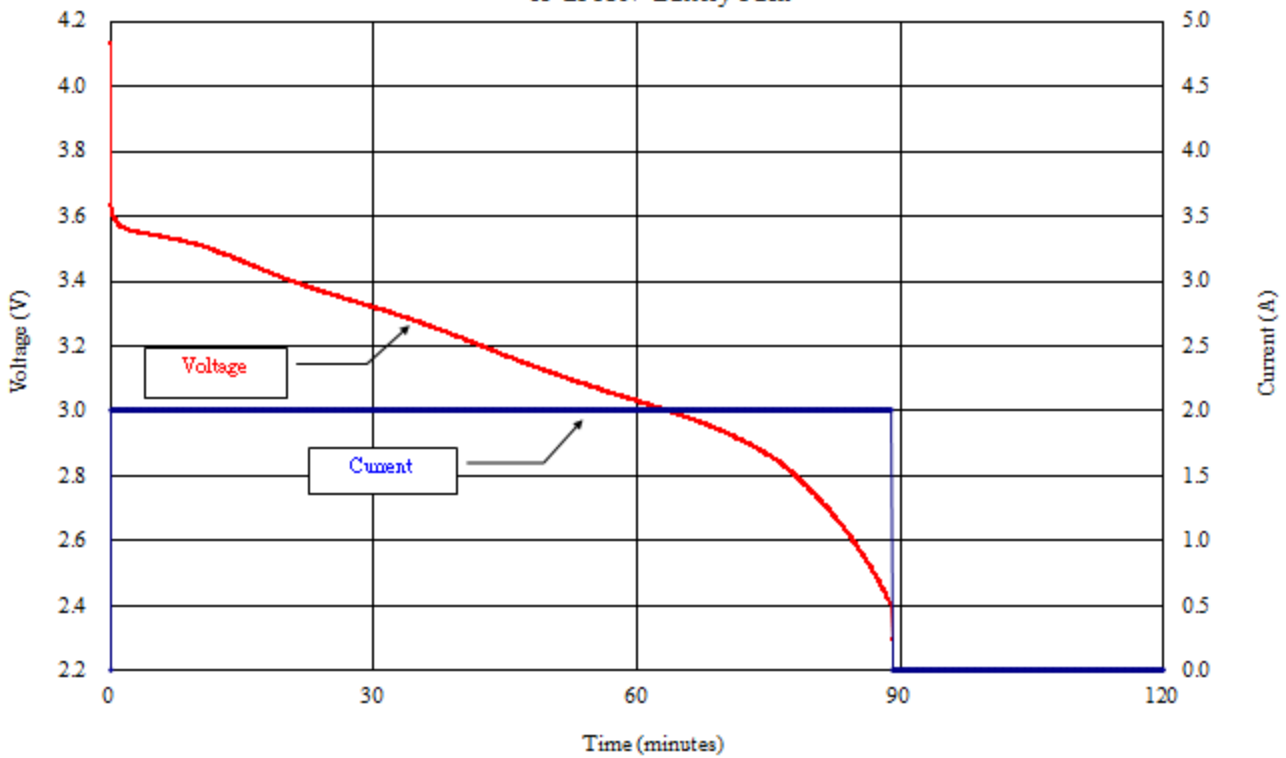
Discharge Performance Curve

Discharging condition	2A / UVP
Discharging time	89min
Discharging capacity	2.963Ah

充電設定4.15V 1A 64mA截止
2A放電至BMS CUT OFF

NCR18650BF 1S1P HI0101SN06
Battery Voltage and Discharge Current Curve
of LI-ION Battery Pack

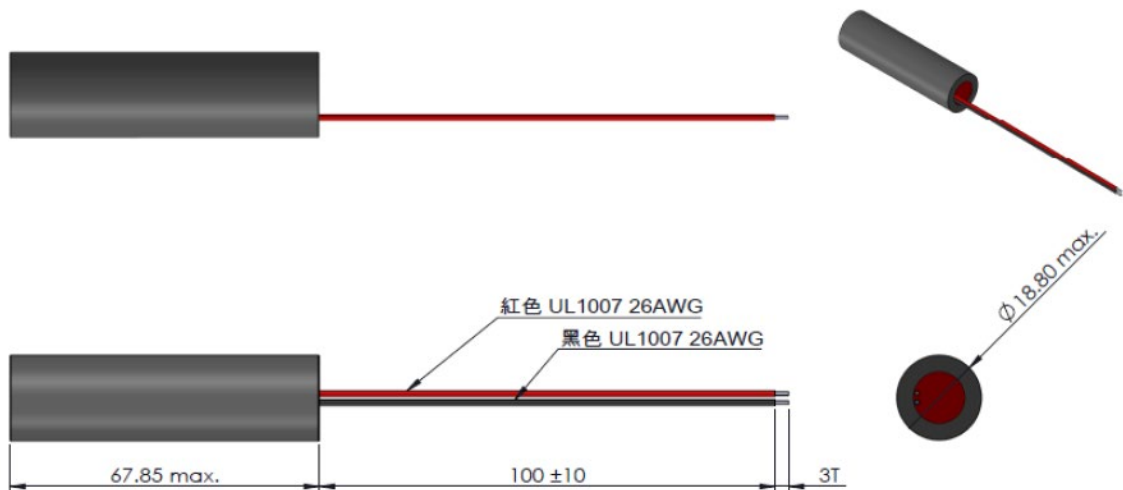
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1S1P HI0101SN06 Battery Pack

Mechanical

Drawing



Connector:

2 wires without connector, 100 ± 10mm
 Pin Definition: Red P+ / Black P- / UL1007, 26AWG

Label:

Part N°: HI0101SN06
 Rechargeable Lithium-ion Battery
 1S1P Panasonic NCR18650BF 11NR19/66
 Nominal Voltage: 3.6Vdc / Rated Capacity: 11.52Wh/3.2Ah
 Charge Voltage: 4.15Vdc / Max Charge Current: 1A / + Red Wire, - Black Wire

CAUTION:
 Don't crush or dismantle! Don't heat or incinerate. Don't short-circuit!
 Don't immerse the battery in any liquid to avoid vent or rupture!
 Dispose of used battery promptly and keep away from children.
 Observe charging instructions.
 Don't charge below 0°C. Discharge temperature range: -20°C to + 60°C

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 Hochstr. 355
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 Switzerland

Made in Taiwan

1524-0390

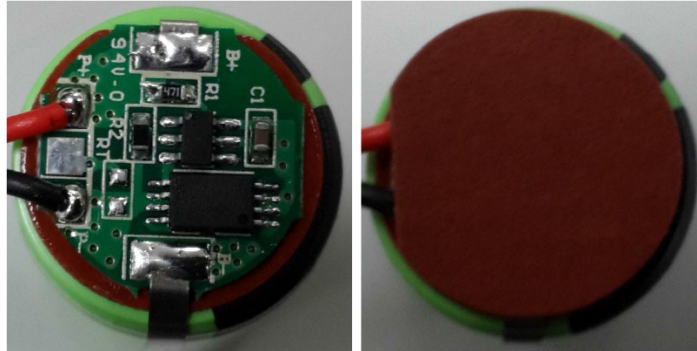
UK CA LPS
 CE
 MH48031

Serial Number:

Serial Number	Definition	Remark
1524-0005	WW: production week	56 x 22mm / 0.5R * 4
WWYY-XXXX	YY: production year	
	XXXX: serial number	

1S1P HI0101SN06 Battery Pack

Photos



(*illustration similar)

Packaging

Battery pack in plastic bag



Accessories

Item	Part number	Remark
Charger	TBD	On request

1S1P HI0101SN06 Battery Pack

Contact

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HY-LINE AG

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