



\*illustration similar

# 1S1P HI0101SN03 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 HI0101SN03 Battery Pack

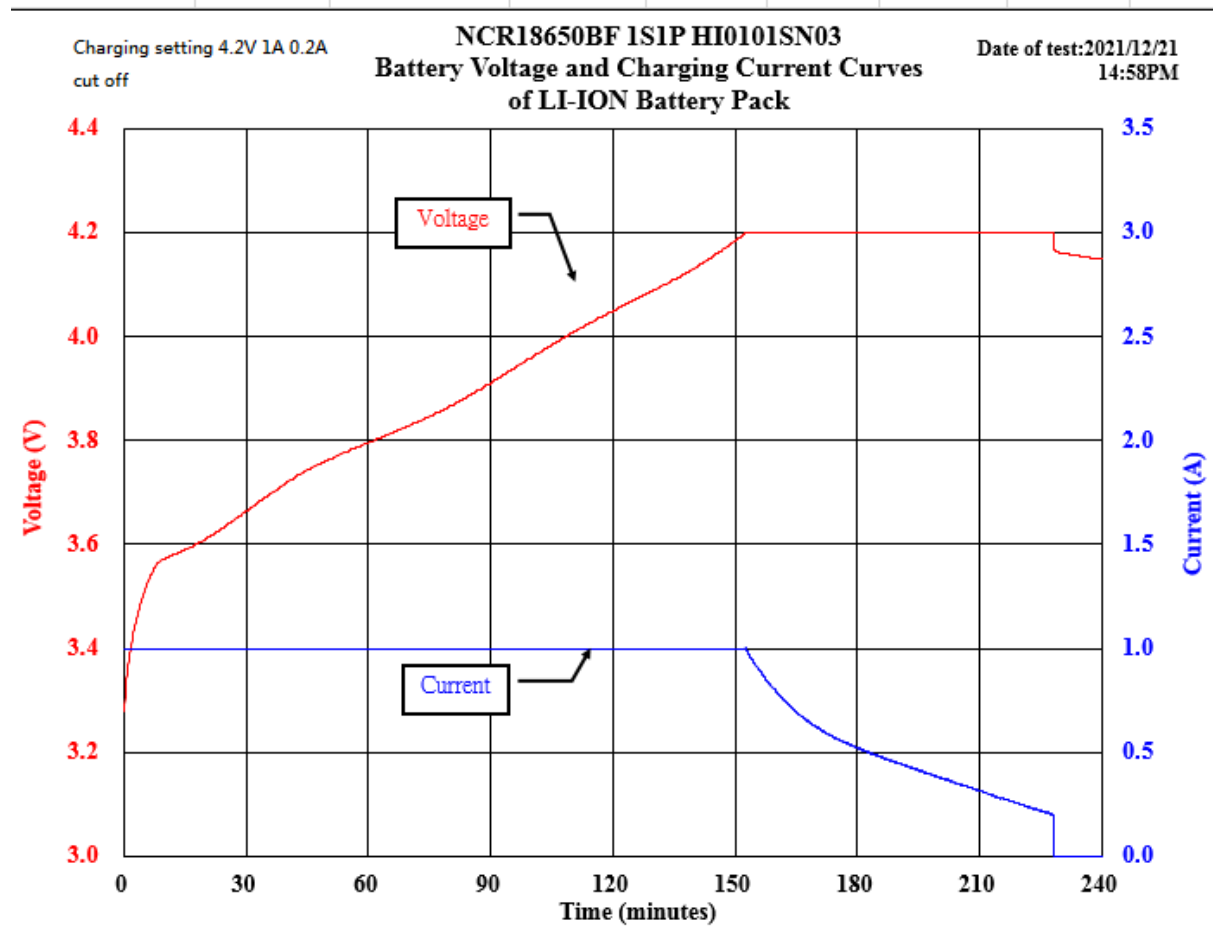
# Specifications

Item	Descriptions	Specifications		Remark
1	Model Number	HI0101SN03		
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)	4.2V		
12	Charge Current	<1.5A		
13	Discharge Current avg.	<1.0A		
14	BMS Design (1S-11A)	(1) Over charge voltage threshold (2) Over discharge voltage threshold (3) Over charge current threshold (4) Over discharge current threshold (5) Short circuit protection (6) Short circuit delay time (7) IR		(1) 4.28 ±0.05V (2) 2.70 ±0.05V (3) 3.5 ±0.7A (4) 6.0 ±0.7A (5) 21.5 ±0.7A (6) 280 ~ 560μs (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 6060-1-2 :215+A1 :2021 CE and UKCA		UN Transport Test Safety Safety UK EMC EMC UK

## 1S1P HI0101SN03 Battery Pack

# Charge Performance Curve

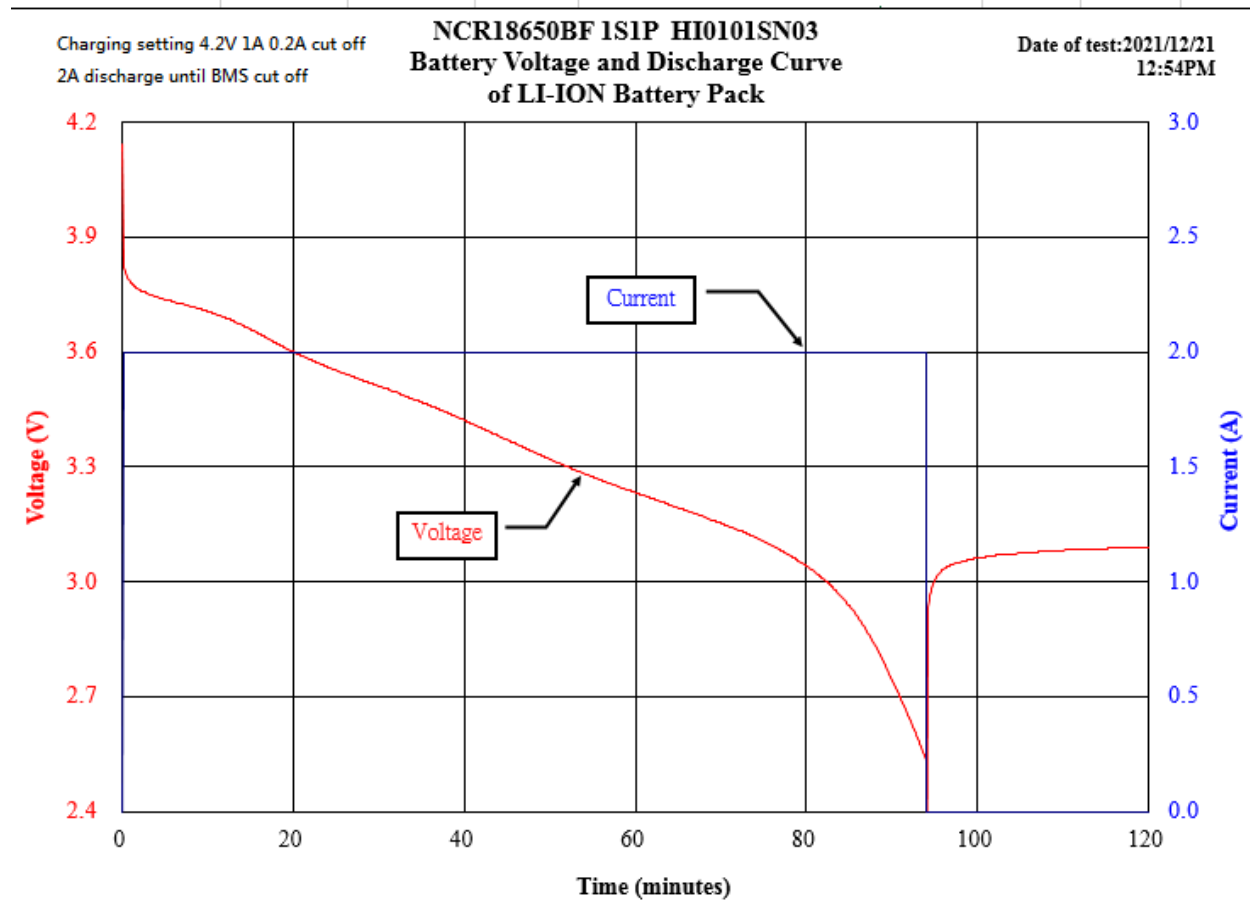
		Charge Time (min)	Estimated capacity (Ah)	Cut-off Current (mA)	199
CC mode	1A	152.00	2.531	75.6%	Charging Cap. (Ah)
CV mode	4.2V	76.10	0.617	18.4%	3.148
Total Time		228.10	3.148	94.0%	



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# Discharge Performance Curve

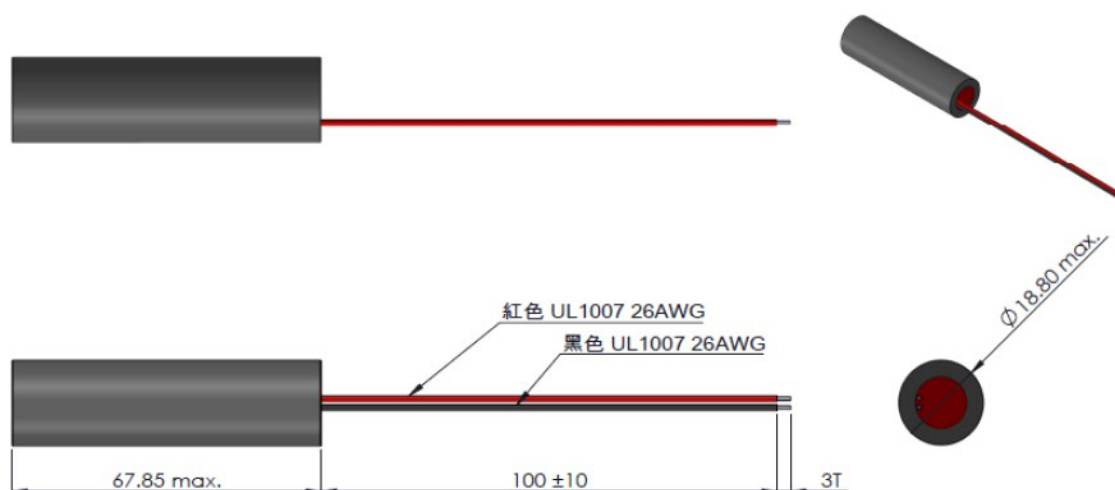
	V(Volt)	I (A)	time(min.)	time(hr.)	Discharge Capacity (Ah)	% Rated
Discharge Start	4.144	0.00	0.00	0.00		
Discharge End	2.538	2.00	94.00	1.57		
					3.131	93.5%



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# Mechanical

### Drawing



### Connector:

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

### Label:



### Serial Number:

Serial Number	Definition	Remark
1722-0001	WW: production week	56 x 22mm / 0.5R * 4
WWYY-XXXX	YY: production year	
	XXXX: serial number	

## 1S1P HI0101SN03 Battery Pack

### Photos



(\*illustration similar)

### Packaging

Battery pack in plastic bag



### Accessories

Item	Part number	Remark
Charger	TBD	On request

## 1S1P HI0101SN03 Battery Pack

# Contact

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### HY-LINE AG

HY-LINE AG belongs to the HY-LINE group, a group of specialized distributors.

HY-LINE AG is a specialist in batteries and systems. In addition to standard batteries and charging and maintenance systems, the focus is on the development and design of custom-specific batteries and systems.

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