ENERGY SYSTEMS

Datasheet
10/2022

*illustration similar

4S3P HF0403PN02 LiFePO Battery Pack

- 12.8V nominal voltage
- 9.9Ah rated capacity
- 130Wh (UN38.3)
- LiFePO4 cells, 4S3P
- Integrated Protection Circuit
- Plastic housing
- Connector: 2 pin F2 terminal

hy-line-group.com
LEADER IN TECHNOLOGY.

HY-LINE®

4S3P HF0403PN02 LiFePO Battery Pack

Specifications

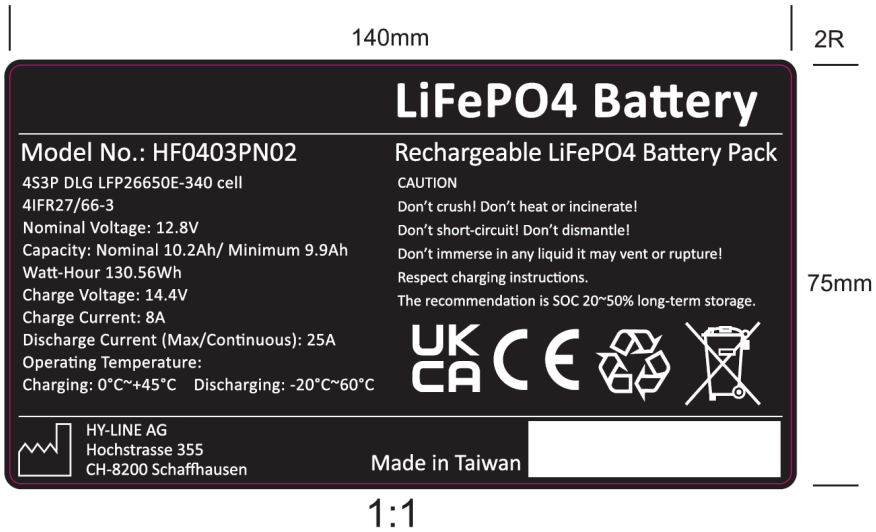
Item	Descriptions	Specifications		Remark
1	Model Number	HF0403PN02		
2	Cell	LFP26650E-340		DLG Power Battery (Shanghai) Co., LTD.
3	Configuration	4S3P		
4	Nominal Voltage	12.8V		3.2V*4S
5	Rated Capacity	9.9Ah		3.3Ah*3P
6	Watt-Hour (UN38.3)	130Wh		Calculated: 130.56Wh (V*Ah)
7	Internal Resistance	≤50mΩ		Measure from output terminal of battery pack
8	Recommended operation Temperature	Standard Charge Standard Discharge	0°C … +45°C 0°C … +65° C	
9	Storage condition	< one month < three months	0°C … +45°C 0°C … +35°C	
10	Humidity	30 … 80%		
11	Charging Voltage (Maximum)	14.4V		
12	Charge Current	4.0A (max. <8.0A)		
13	Discharge Current	<25A		Continous
14	BMS Design (4S-17A)	(1) Over charge voltage threshold (2) Over discharge voltage threshold (3) Over discharge current threshold (4) Over discharge current delay time (5) Short circuit current threshold (6) Short circuit current delay time (7) IR		(1) 3800 ±25mV (2) 2200 ±80mV (3) 50 ±10A (4) 1.35s (5) 250A ±25A (6) 500µs (7) <50mΩ
15	Connection type and pin definition	2 pin F2 terminal (6.4 x 0.8mm), tinned copper		Mating connector: JST FLVZDF1.25-250A

4S3P HF0403PN02 LiFePO Battery Pack

Specifications

Item	Descriptions	Specifications	Remark
16	Enclosure	Plastic	black
17	Weight (g)	1380g ±50	
18	Dimension(mm)	L150.5 * W65.0 * H97.8 ±0.2	
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	UN Transport Test Safety Safety UK EMC EMC UK

Label



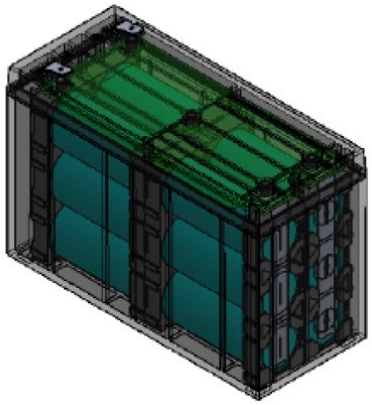
1:1

Serial Number

Barcode and Text: part number-YYWW-serial number
Example: HF0403PN02-2227-0001

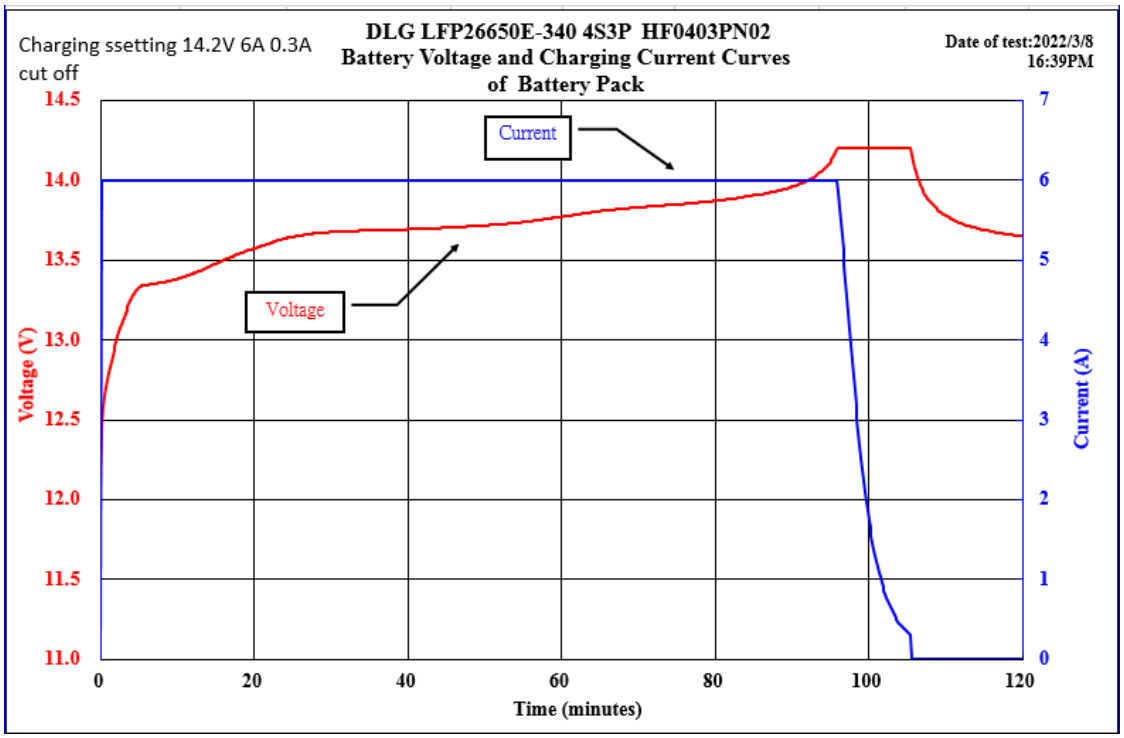
4S3P HF0403PN02 LiFePO Battery Pack

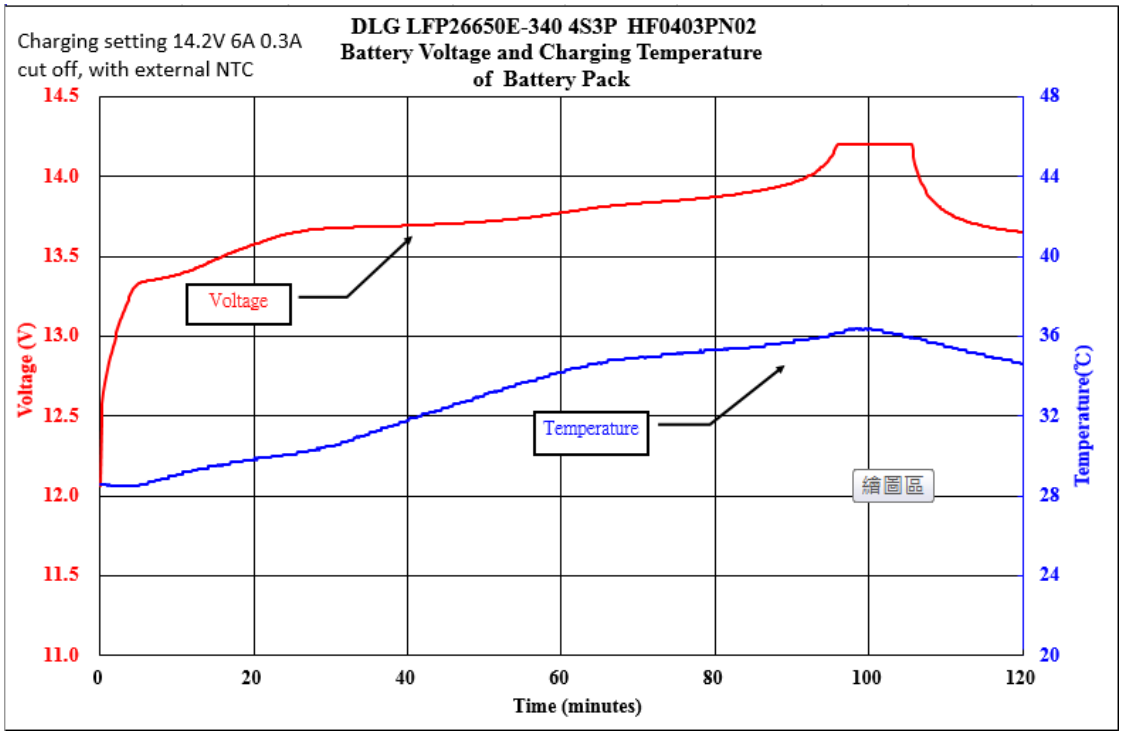
Mechanical



4S3P HF0403PN02 LiFePO Battery Pack

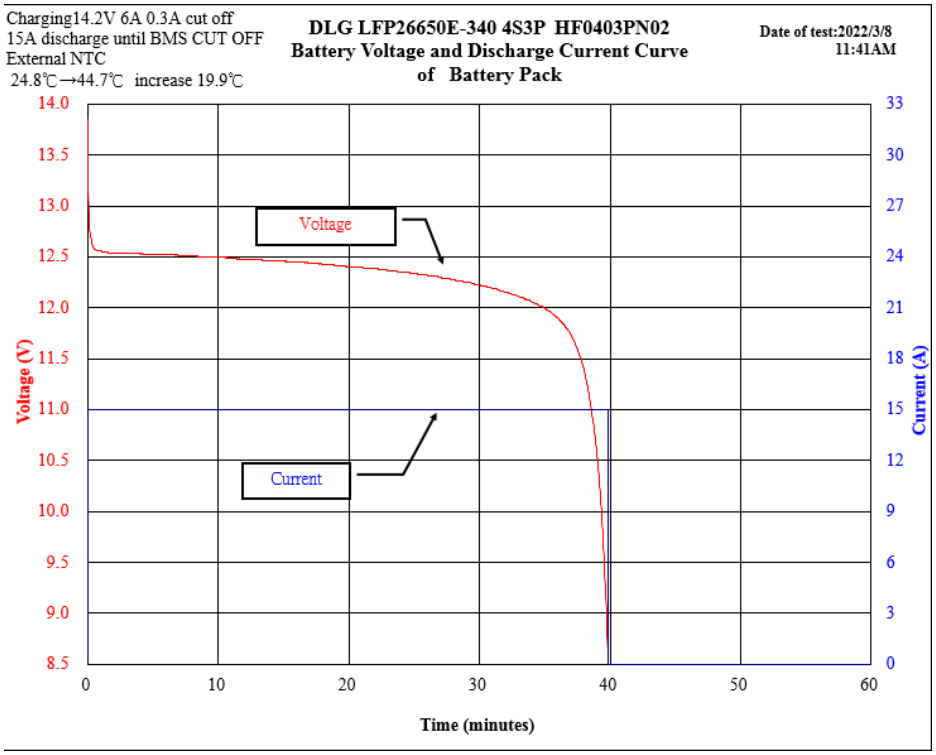
Charge Curve

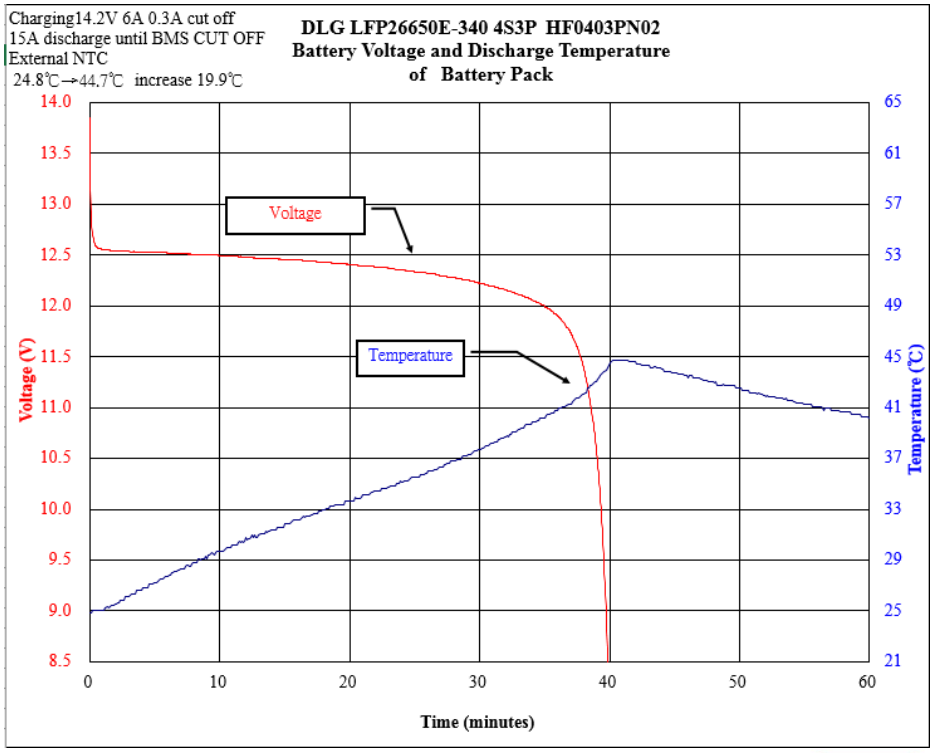




4S3P HF0403PN02 LiFePO Battery Pack

Discharge Curve





4S3P HF0403PN02 LiFePO Battery Pack

Contact

HY-LINE AG
Hochstrasse 355
CH-8200 Schaffhausen

Support:
+41 (0) 52 / 647 42 00
+41 (0) 52 / 647 42 01

Mail us:
info@hy-line.ch

ENERGY SYSTEMS

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.

HY-LINE® is a registered trademark of the HY-LINE Group.
Energy_Datasheet_HF0403PN02_4S3P | October 2022
Subject to changes without notice | All Information without guarantee
© 2022, HY-LINE Group