ENERGY SYSTEMS

Datasheet
04/22



*illustration similar

4S3P H2B182-B Battery Pack

- 4S3P Li-Ion Battery pack
- 14.4V nominal voltage
- 6.5Ah nominal capacity, 93.6Wh (UN38.3)
- Sanyo premium quality cell UR18650A
- High storage performance
- Shrink Foil

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4S3P H2B182-B Battery Pack

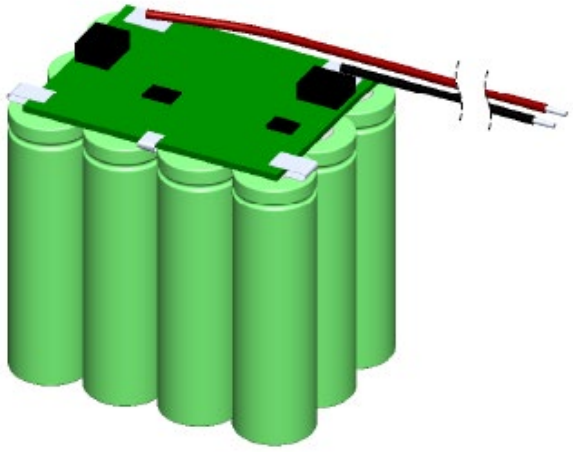
Specifications

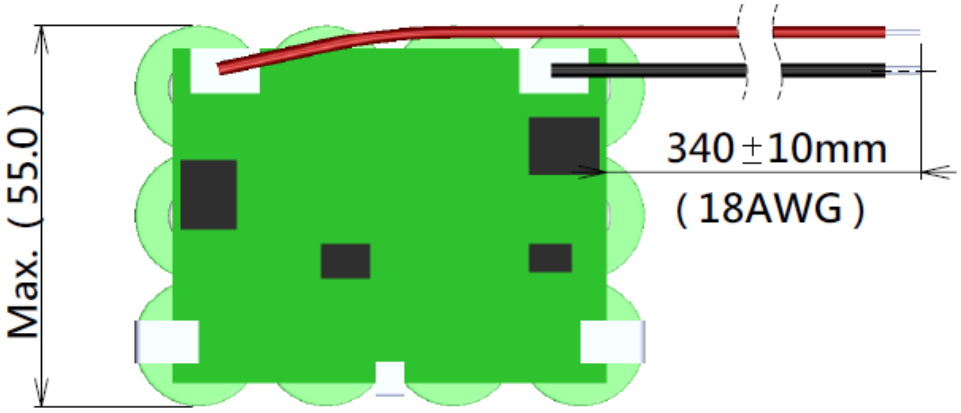
Item	Descriptions	Specifications		Remark
1	Model Number	H2B182-B		
2	Cell	Sanyo UR18650A		
3	Configuration	4S3P		
4	Nominal Voltage	14.4V		3.6V*4S
5	Nominal Capacity	6.5Ah		2.170Ah*3P
6	Watt-Hour (UN38.3)	93.6Wh		Calculated: 93.6Wh (V * Ah)
7	Internal Resistance	<150mΩ		Measure from output terminal of 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 < one year	-20°C … +50°C -20°C … +40°C -20°C … +20°C	Percentage of recoverable capacity 80%
10	Humidity	45 … 85%		
11	Charging Voltage (Maximum)	16.8V		
12	Charge Current	<1.29A		
13	Discharge Current	<7.5A		
14	BMS Design	(1) Cut off voltage (2) End of discharge voltage (3) Over charge current detection (4) Over discharge current detection (5) IR		(1) 17.2V (2) 9.6V (3) 4.0A (4) 16.7A (5) <150mΩ
15	Connection type and pin definition	2 wires, length of 340mm ±10mm (Red P+ / Black P- / UL1007, 18AWG)		
16	Enclosure	Heat shrink		
17	Weight (g)	550g ±5		
18	Dimension(mm)	L73 * W55 * H76		
19	IP standard	IP20		
20	Certifications	UN38.3 5th Rev. CE		

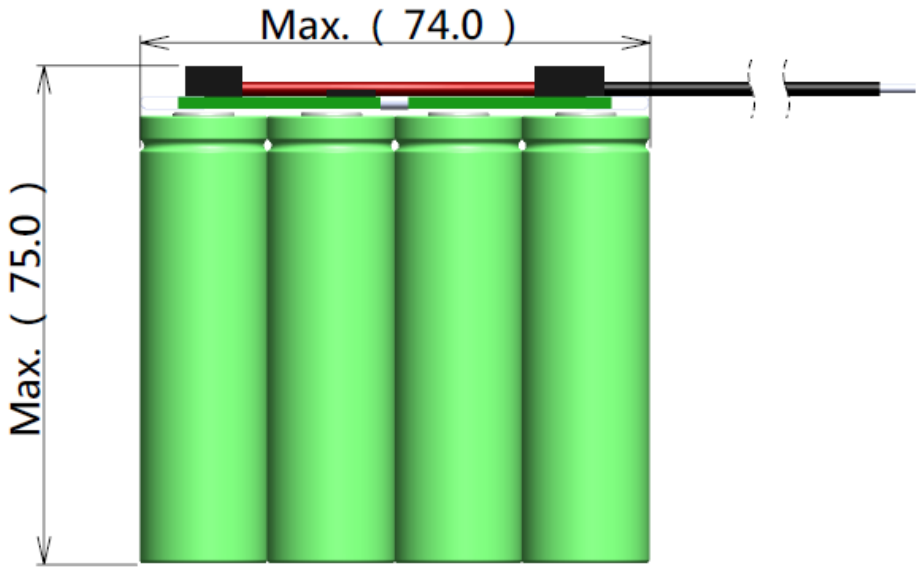
4S3P H2B182-B Battery Pack

Mechanical

Drawing







4S3P H2B182-B Battery Pack

Photos

(*illustration similar)



Accessories

Item	Part number	Remark
Charger	TBD	On request

4S3P H2B182-B Battery Pack

Contact

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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.

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