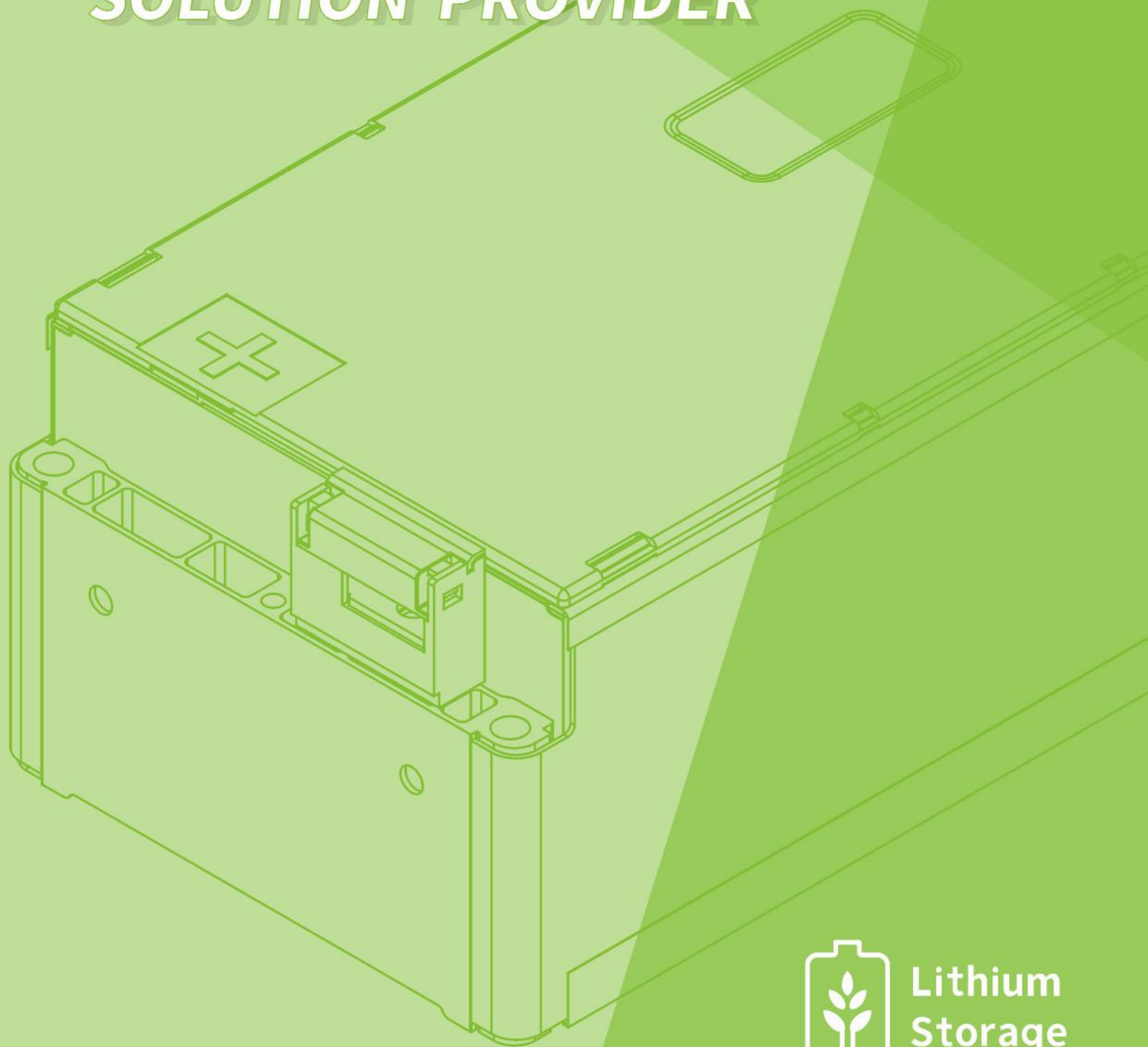
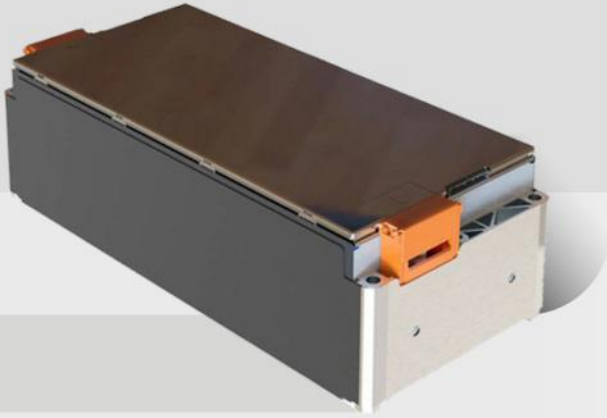


# YOUR PROFESSIONAL LITHIUM BATTERY SOLUTION PROVIDER



Lithium  
Storage

# NCM 102Ah 1P6S VDA MODULE

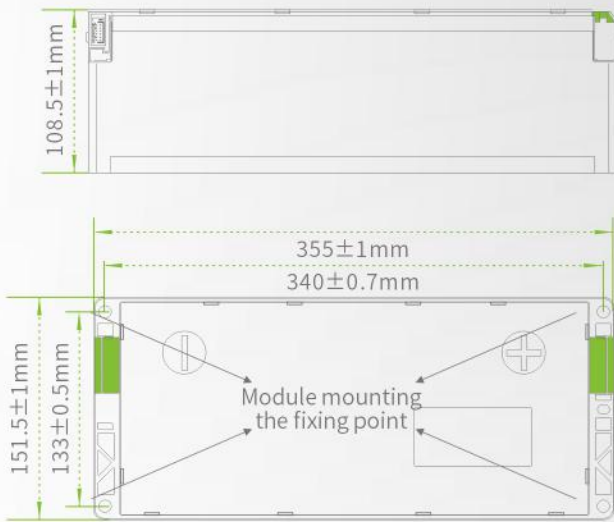


**LITHIUM STORAGE** supports offering standard battery modules and customization of battery modules based on LFP/NCM prismatic cells, including the structure of the banding module and frame welding module. The high structural strength of the frame welding module meets harsh vehicle operating conditions, and the high flexibility of the banding module meets a wide range of dimension requirements.

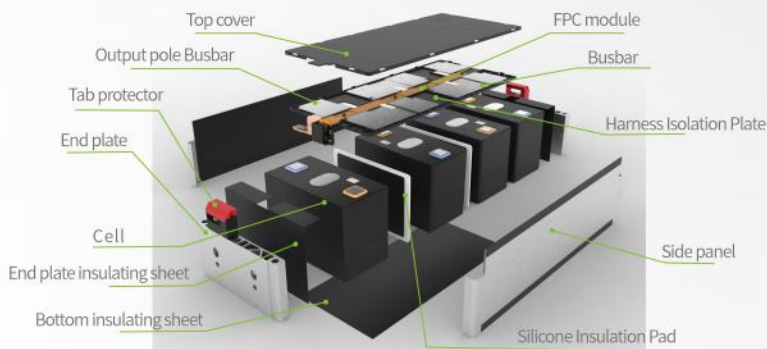


ITEM	SPECIFICATION	NOTE
Nominal voltage(V)	22.2	
Operating voltage(V)	min	16.8
	max	25.8
Nominal capacity(Ah)	102	25±2°C,1/3C
Nominal energy (KWh)	2.2644	25±2°C,1/3C
Available energy (KWh)	≥2.219	
Group mode	1P6S	
End of life residual capacity (Ah)	81.6	Residual capacity ≥80% initial capacity, @25°C
Module weight (kg)	11.2±0.3	
Maximum continuous charge current (A)	120	
Maximum short pulse charge current (≤10s)	204	
Maximum continuous discharge current (A)	150	
Maximum short pulse discharge current (≤10s) (A)	306	
SOC operating range (%)	10~90	
Insulation requirements(MΩ)	≥20	500V DC, High voltage output to battery module shell, at the normal temperature and humidity
Module cooling method	Natural cooling	
Module heating method	No	
Shipping capacity (SOC)	30%~70%	SOC is consistency in the same batch
Shipping consistency (mv)	<20	Voltage difference between cell of module <20mV
Coulomb efficiency	≥95%	
Module self-discharge	≤3%	25±2°C,50%SOC
Dimension L (mm)	355	
Dimension W (mm)	151.5	
Dimension H (mm)	108.5	

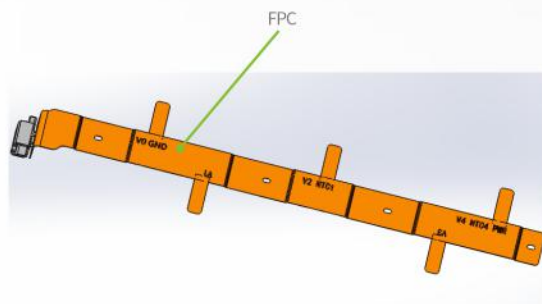
# DRAWING



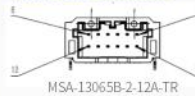
# MODULE STRUCTURE DIAGRAM



# INTERFACE TYPE:CONNECTOR TYPE



## Interface definition



PIN	PIN Definition
1	V1
2	NTC1+
3	NTC1-
4	V3
5	NTC2+
6	NTC2-
7	V5
8	V6
9	POWER
10	V4
11	V2
12	V0
13	GND
14	/
15	/
16	/

Battery Module	Connector Type	Pin Type	Note
NCM102Ah 1p6s module	ZG05L2-16S-1.8HU/R	ZG05A-2224SCF	A connector corresponds to 16 PINS

# ADVANTAGE

- 355 VDA battery module.
- High quality standard of production and performance meeting supply requirements of passenger vehicles.
- Uninterrupted supply guaranteed by the stable mass production.
- Continuously improved energy density though new materials and light weighting technology.
- Suitable for passenger vehicles and commercial vehicles etcetera.



- ✉ [info@lslithiumbattery.com](mailto:info@lslithiumbattery.com)
- 🌐 [www.lslithiumbattery.com](http://www.lslithiumbattery.com)
- 📍 Nanjing office | Wenzhou Factory | UK Branch
- ☎ +86-(0)25-87736807
- ☎ +86-(0)25-87739887