TECHNICAL DATA SHEET

NOVA 16



PRODUCT FEATURES

Upto 8000
Cycle Life@25°C

Voltage Wake-up
Under off-grid System Environment

Smart BMS
Intelligent management & maintenance of battery systems

Wifi Monitoring
Real time monitoring of power usage and battery pack operation

Multiple Safety Protection
DC Breaker

Parallel Connection
Supports parallel connection of 16 units

Voltage Balancing
Voltage Balancing between Battery Cells & Battery Pack

General & Supply Chain Parameters	
Internal Model Ref.	LFP 16076M
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Nominal Energy	16.1 kWh
Life Cycle	Upto 8000 Cycle @80% DOD, 25°C, 0.5C
Recommended DOD	80%
Standard Warranty	10 Years

Charge & Discharge Specifications	
Oprating / Range Voltage	44.8V ~ 57.6V
Recommended Charge Voltage	57.6V
Recommended DisCharge Voltage	48V
Recom. Charge Current	140A
Recom. Discharge Current	140A
Max Charge Current	150A
Peak Pulse Discharge	200A

Environment & Mechanical Parameters	
Charge Temperature	0°C to 55°C
Discharge Temperature	-10°C to 55°C
Enclosure IP Rating	IP-20
Net Weight	116 kg
Dimensions (L x W x H)	450 x 752 x 235 mm
Installation Type	Floor Mount / Wheel Base

Features & Connectivity	
Parallel Scalability	Up to 16 Units
Hardware Safety	BMS + DC Breaker
Wireless Connectivity	Wi-Fi & Bluetooth
Communication Ports	CAN / RS485
User Interface	Touch Screen LED Interface