

TECHNICAL DATA SHEET

NOVA 16 PRO



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.	RS-C51314D
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

Operating / Range Voltage	44.8V ~ 57.6V
Recommended Charge Voltage	57.6V
Recommended DisCharge Voltage	48V
Recom. Charge Current	150A
Recom. Discharge Current	150A
Max Charge Current	200A
Peak Pulse Discharge	240A (10s)

Environment & Mechanical Parameters

Charge Temperature	0°C to 55°C
Discharge Temperature	-10°C to 55°C
Enclosure IP Rating	IP-20
Net Weight	130 kg
Dimensions (W x H x D)	560 x 952 x 250 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