

TECHNICAL DATA SHEET

51.2V 314Ah



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
Cell Manufacturer	Cornex
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Nominal Energy	16.1 kWh
Life Cycle	Upto 8000 Cycle @80% DOD, 25°C, 0.5C, 60% EOL
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	140A~150A
Recom. Discharge Current	140A~150A
Max Charge Current	150A ~ 200A
Peak Pulse Discharge	200A~240A (3s~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	116 kg ~ 130 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