

CORECELL *16kWh Battery Pack*

DR-PAC11603NZL01 / DR-PAC11603NZL02 / DR-PAC11603NZL03

Product Introduction

The 8KW smart battery pack integrates a bidirectional DC power supply, BMS, and LiFePO4 cells into a compact unit. Featuring auto-adaptive 400V/800V bus voltage compatibility, it employs modular CLLC resonance technology and proprietary BMS. Scalable up to 6 units, it's ideal for residential/commercial energy storage.

Features and Functions

- High-safety LiFePO4 battery cells.
- Multiple built-in protection functions.
- Up to 15 packs in parallel, auto-addressing.
- Long life: up to 8,000 cycles.
- Parallel current-limiting for SOC auto-balancing.
- Wi-Fi for remote monitoring via APP.
- RS485/CAN, compatible with multiple inverters.

Corecell

Model	DR-PAC11603NZL01	DR-PAC11603NZL02	DR-PAC11603NZL03
Rated Energy	16076Wh		
Battery			
Battery Type	LiFePO4		
Combination Mode	1P16S		
Rated Voltage	51.2Vdc		
Battery Voltage Range	44.8-58.4Vdc		
Battery Capacity	314Ah		
Cycle Life	8000cycles@25℃ 0.5C 70% DOD		
Max. Charging Current	100A	157A	157A
Max. Discharge Current	100A	200A	300A
Charging Overvoltage Protection	58.4Vdc		
Discharging Under Voltage Protection	44.8Vdc		
Charging Over Current Protection	120A/3S	170A/3S	170A/3S
Discharging Over Current Protection	120A/3S	210A/3S	310A/3S
Charging Over Temperature Protection	55℃		
Discharging Over Temperature Protection	60℃		
Charging Low Temperature Protection	0℃		
Discharging Low Temperature Protection	-20℃		
General Parameters			
Machine Dimensions	860*608*200mm		
Net Weight	110 kg	111 kg	112 kg
Communication Interface	RS485 / CAN		
Wireless connection	Supports Bluetooth pairing and Wi-Fi connection to the cloud platform（Built-in WiFi module）		
Parallel operation function	Support for 15 units in parallel operation		
Relative Humidity	5%to95% Relative Humidity（Non-condensing）		
Operating Temperature	-10℃ to 50℃		
Max. Operating Altitude	≤2000m		
Cooling Method	Natural cooling		
Protection Level	IP65		
Certifications	IEC62619/UN38.3/MSDS		