

DR AIO *Smart RESS*

DR-AIO-05205FL

Product Introduction

Ultra-Slim All-in-One Residential Energy Storage System featuring a sleek design with intuitive touchscreen interface . The system incorporates advanced digital dual- loop voltage/current control and SVPWM technology for seamless grid-tied/off-grid transition, while its built-in UPS function ensures uninterrupted power supply for critical loads . Our proprietary grid-connection algorithm enhances system adaptability and safety, coupled with highly reliable $LiFePO_4$ battery technology that delivers extended service life and stable performance .

Features and Functions

- ✓ 5kW Full Power Output
- ✓ UPS Functionality
- ✓ Remote Monitoring and Cloud Platform Upgrades
- ✓ Lithium Battery with Dual-Level Protection Control
- ✓ Supports Solar and Grid-Connected Operation
- ✓ Multiple Input/Output Modes for Flexible Use

DR-AIO

Type	DR-AIO-05205FL
PV Input	
Maximum PV Voltage	500Vdc
PV Voltage Range	140V-480Vdc
PV Input Power	6000W
PV Maximum Input Current	15A
Maximum Charging Current	50A
Isc PV	18.7A
AC Output Parameter	
Nominal AC Output Power	5000W
Nominal AC Output Voltage	230V~
Nominal AC Output Frequency	50Hz/60Hz
Rated Current	21.7A
UPS Transfer Time	20mS
Peak Efficiency	92%
Output Voltage Waveform	Pure Sine Wave
Overload Protection	10s@≥110% load;
AC Input Parameter	
AC Input Range	100-300V
AC Maximum Input Current	26A
Nominal Input Frequency	50Hz/60 Hz
Max Charging Current	50A
Battery Parameter	
Rated Voltage	51.2V
Max.Charging Current	50A
Max.Discharging Current	100A
Voltage Range	44.8-58.4V
Module Capacity	100Ah
Cycle life	5000 cycles@ 25℃ 0.5C 80% DOD
Machine parameter	
Communication Interface	RS232/RS485
Dimensions	855*500*167.5mm
Weight	61±2kg
Class of Protection	IP20
Certification	UN38.3/CE/IEC62619/IEC62109
APP	Wifi，Bluetooth