DOART ROCKCORE 东安岩芯

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All-In-One Off-Grid Inverter System

DR-AIO652032FL01

- All-In-One portable design
- Power Auto-switch (≦10ms)
- Wide PV input range
- Supports parallel operation
- Dual Output (Smart load management)
- Lithium batteries have multiple protections

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All-In-One

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Model	DR-AIO652032FL01
Rated AC Output Power	6500VA/6500W
PV Input	
PV Input Strings	1 String
Max. PV Array Power	9000W
Max. MPPT Efficiency	99.5%
Peak Efficiency of PV Inverter	96%
Max. PV Open-Circuit Voltage	500Vdc
MPPT Operating Voltage Range	60~450Vdc
Start-Up Voltage	80Vdc
Max. Input Current	27A
Short-Circuit Current (ISC)	33A
Max. Charging Current(Battery)	120A
AC Input (Grid)	
Rated Voltage	230Vac
Selectable Voltage Range	170~264 Vac (UPS Mode) ,90~280 Vac (APP Mode,GEN Mode)
Rated Input Frequency	50Hz / 60Hz (Adaptive)
Max. AC Input Current	40A
Max. AC Input Voltage	280Vac
Max. Charging Current(Battery)	120A
AC Output (EPS)	
Waveform	Pure Sine Wave
Rated Output Voltage	230Vac ±5%
Output Voltage Range	208/220/230/240Vac
Rated Output Frequency	50/60Hz
Rated Output Current	230Vac@28.2A
Surge Power	12kVA
Peak Efficiency of Battery Inverter	94%
Transfer Time	≤10ms
Output Overload Capacity	PV+Battery & PV Mode:1min@102%~120% Load;10s@120%-200% Load; 200mS@＞200% Load Bypass mode:1min@40-50A; 10s@50A-55A; 200ms@＞55A
Battery	
Battery Type	LiFePO4
Battery Voltage Range	44.8-58.4Vdc
Rated Voltage	51.2Vdc
Battery Capacity/Energy	314Ah/16076.8Wh
Cycle Life	8000cycles@25℃ 0.5C 70% DOD
Max. Charging Current	120A
Max. Discharge Current	130A
General Parameters	
Machine Dimensions	1090*500*200mm
Net Weight	125±2kg
Wireless connection	Supports Bluetooth pairing and Wi-Fi connection to the cloud platform
Parallel operation function	Support for 3 units in parallel operation
External port	RS232/RS485/CAN
Relative Humidity	5%to95% Relative Humidity（Non-condensing）
Operating Temperature	-10℃ to 50℃
Max. Operating Altitude	≤2000m
Cooling Method	Fan cooling
Protection Level	IP21
Certifications	IEC61000/IEC61683/IEC62109/IEC62619/UN38.3/MSDS