

DF SERIES

LOW FREQUENCY INVERTER / HYBRID INVERTER



Pure sine wave



MPPT



WiFi



Alarm & Protection



Configurable Battery



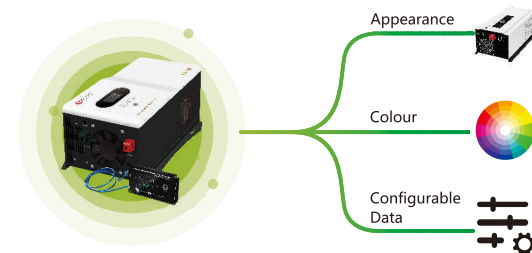
RS485



Features

- Supports internal and external two LCD screen display, and the external LCD is one key operation.
- Micro-processing chip design to improve the computing speed and stability of the equipment.
- LCD display, setting parameters and equipment operating status.
- The adjustable mains charging current range is 0-30A.
- Working modes: grid priority, inverter priority.
- Optional built-in PWM or MPPT solar controller to achieve high-efficiency charging.
- Support diesel and gasoline generators, suitable for various grid power.

OEM/ODM



Application



Residential



Emergency Vehicle



Marine



RV Trailer



Ambulance



Truck



Technical Parameters

Model: DF	10212/24/48	15212/24/48	20212/24/48	30224/48	40224/48	50248	60248	70248
Power								
Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	7000W
Phase Type	Single-Phase							
Battery								
Standard Battery Voltage	12/24/48VDC		24/48VDC	24/48VDC	48VDC			
Battery Type	Lead-acid / Gel / Lithium Batteries//Custom battery							
AC Input								
Rated Input Voltage	110VAC/120VAC/220VAC /230VAC/ 240VAC							
AC Input Voltage Range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 170VAC~275VAC (220VAC) / 180VAC~285VAC (230VAC) / 190VAC~295VAC (240VAC)							
AC Input Frequency	45Hz~55Hz (50Hz) , 55Hz~65Hz (60Hz)							
AC Output								
Output Wave	Pure Sine Wave							
Conversion Efficiency (INV mode)	> 85%							
Output Voltage/Frequency (INV mode)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2% , 50/60Hz±1%							
Built-in Controller MPPT(optional)								
Rated Current	30A		60A		100A			
PV Array Max Power	12V(420W)/24V(840W) /48V(1680W)		12V(840W)/24V(1680W) /48V(3360W)		5600W			
Max PV Input Voltage(Voc) (At The Lowest Temperature)	12V/24V system : 120VDC ; 48V system : 180VDC							
MPPT Tracking Voltage Range	12V System (15V-80V) /24V System (30V-100V) /48V System (60V-140V)							
Other								
Protection Devices	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/ Inverter output short circuit protection/Temperature protection							
Protection Degree	IP20							
Display	LCD							
Cooling Method	Cooling fan in intelligent control							
Communication	RS485/RS232,APP (WIFI monitoring or GPRS monitoring) Optional							
Working Mode(settable)	Battery priority/Mains priority							
Operating Temperature	-15°C~40°C							
Relative Humidity	0%~95% ,No condensation							
Dimensions and Weight								
Product Size(L*W*Hmm)	555*297*184				615*315*209			
Packing Size(L*W*Hmm)	620*345*255				680*365*280			
N.W.(kg)	12	13	15.5	18	23	24.5	26	27.5
G.W.(kg)	14	15	17.5	20	25.5	27	28.5	30

Note: 1. Specifications are subject to change without prior notice; 2. Special voltage and power requirements can be customized according to the actual situation of users.