



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



Appearance



Colour



Configurable Data



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	80248	10348	12348
Power											
Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	7000W	8000W	10KW	12KW
Phase Type	Single- Phase										
Battery											
Standard Battery Voltage	12/24/48VDC			24/48VDC		48VDC			48VDC		
Battery Type	Lead-acid / Gel / Lithium Battery / 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	60A				100A	100A					
PV Array Max Power	12V(840W)/24V(1680W) /48V(3360W)				24V(2800W)/ 48V(5600W)	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,APP (WIFI monitoring or GPRS monitoring) Optional										
Working Mode(settable)	Battery priority/Mains priority										
Operating Temperature	-15℃~40℃										
Relative Humidity	0%~95% ,No condensation										
Dimensions and Weight											
Product Size(L*W*Hmm)	555*297*184				615*315*209				720*363*256		
Packing Size(L*W*Hmm)	620*345*255				680*365*280				785*380*325		
N.W.(kg)	14	15	17.5	19.5	24	26	29	31	45	55	58
G.W.(kg)	15	16	18.5	20.5	25.5	27.5	30.5	32.5	52	62	65

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.