

## D series single phase inverter

### Features:

- Power frequency scheme design, pure sine wave output, suitable for various types of loads;
- Ring type transformer, low no-load loss;
- Wide input voltage range and high-precision output;
- Three mode can be set, battery type, charging voltage and current adjustable.
- Battery overvoltage / low voltage, overload, short circuit, over temperature protection, etc;
- Built in MPPT controller, higher charging efficiency;
- It can be used as unattended function and more humanized (optional);
- Lightning arrester can be installed (optional);
- Built in or external WiFi monitoring (optional);
- LCD screen design, more accurate and intuitive display and simple operation;

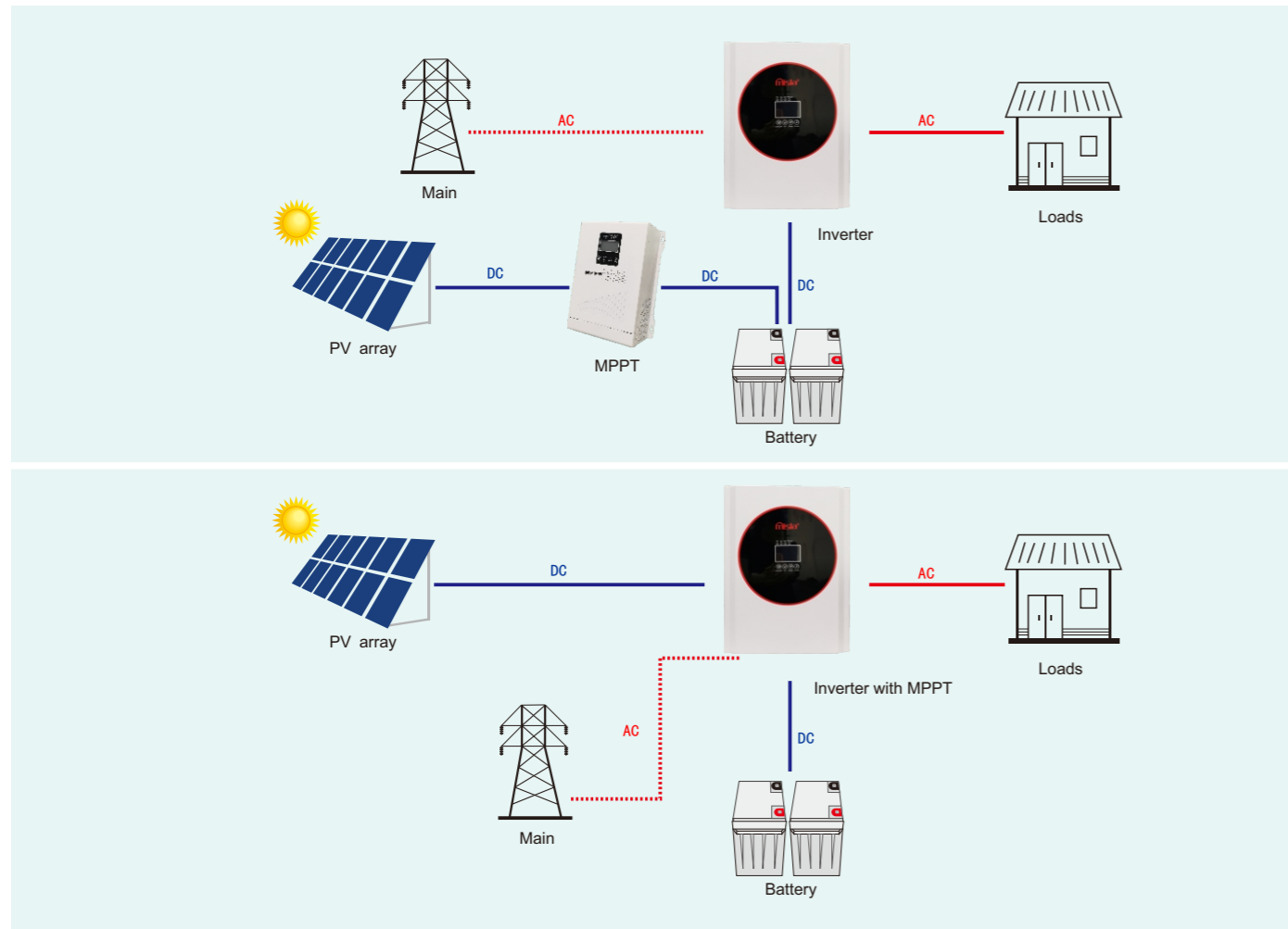


### Application



Residential electricity    Communication base station    Ship/Island    Animal husbandry    Dead area    Field equipment

### Application diagram



### Technical Parameters

	DN150	DN200	DN300	DN400	DN500	DN600
Inverter mode	DN150	DN200	DN300	DN400	DN500	DN600
Inverter with controller mode	DM150	DM200	DM300	DM400	DM500	DM600
Rated power	1500W	2000W	3000W	4000W	5000W	6000W
Battery voltage	24V/48V	48V				
Size:(L*W*Hmm)	430*320*175	560*400*200 / 560*450*230(100A)				
package size (L*W*Hmm)	500*390*245	630*470*270 / 630*520*300(100A)				
N.W. (KG)	15	20	22	27	29	31
G.W.(KG)	17	23	25	30	32	34

### Input

Phase	L+N+G
AC input range	110V:85-138VAC; 220V:170-275VAC
Input frequency	45Hz~55Hz

### Output

Output voltage	inverter mode: 110VAC/220V±5%; AC mode: 110VAC/220VAC±10%;
Frequency range (AC mode)	Automatic tracking
Frequency range (inverter mode)	50Hz/60Hz±1%
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Peak current ratio	3:1max
Conversion time	<10ms(Typical loads)
Waveform	Pure sine wave
Efficiency	>98%
Protection functions	Battery overvoltage protection, battery undervoltage protection, overload protection, short circuit protection, overtemperature protection, etc.

### built in solar charge controller(adjust)

Max charge current	40A	50A	60A	100A	120A
Battery voltage	24V/48V	24V/48V	24V/48V	24V/48V	24V/48V
PV input voltage range	24V: 38V-150V; 48V: 65V-150V; 96V: 145V-200V				
Max PV input	24V: 960W 48V: 1920W	24V: 1200W 48V: 2400W	24V: 1440W 48V: 2880W	24V: 2400W 48V: 4800W	24V: 2880W 48V: 5760W
Cooling method	Fans cooling				

### environmental conditions

Operating temperature	0°C-40°C (Battery life decreases at ambient temperatures above 25 degrees Celsius)
Operation humidity	<95% (without condensing)
Operating altitude	<1000m(with increase of 100m, it will reduce output of 1%) max5000m
Noise	<58dB(distance to machine 1m)

### Management

Display	LCD+LED
Computer communication interface	RS232(adjust)

\*The above data is for reference. If there is any change, please refer to the real object.