



FNEP

FNEP-JE-D



D series single phase inverter

oPower 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.

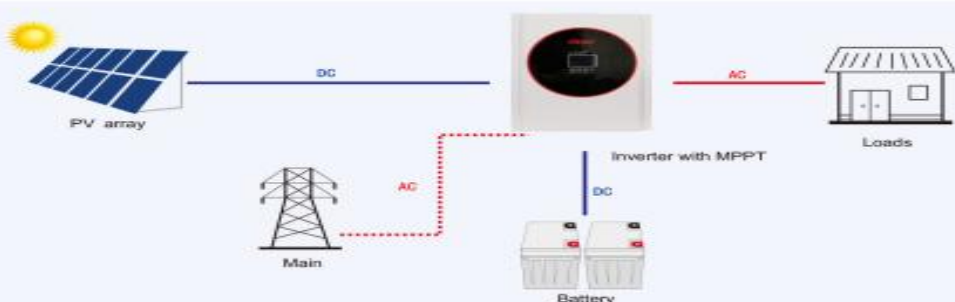
Built in MPPT controller. higher charging efficiency;

It can be used as unattended function and more humanized (optional);

Lightning arrester can be installed (optional):

Built in or external WiFi monitoring (optional):

eLCD screen design, more accurate and intuitive display and simple operation



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Technical Parameters

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	>85%(80% resistive loads)					
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)					