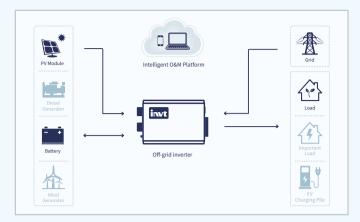
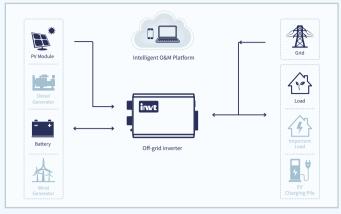


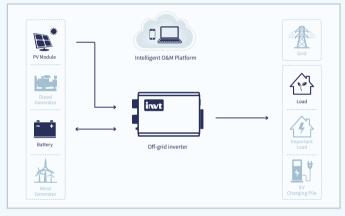
#### Solution



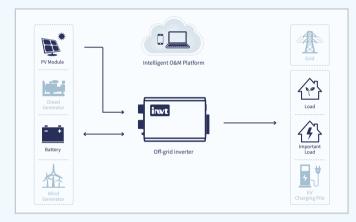
• With Various / Isolated loads



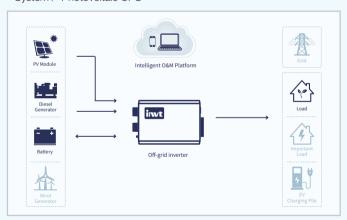
• Mains / Photovoltaic Complementary System



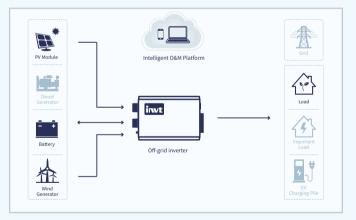
• Island and Ship Off-grid Applications / PV+Off-grid Electricity Vending System / Photovoltaic UPS



• Portable Power Supply



• Diesel Engine + Off-grid



• Off-grid+ Wind Power Complementary System

# Configuration table

	Solar Panel								Mounting	PV Cable	
Inverter	nverter 60 Cells			72 Cells				Structure	4mm²	6mm²	
	260W	275W	280W	290W	310W	315W	320W	330W	Structure	4111111-	OIIIIII-
1~3KW	4	4	4	4	4	4	4	4	1 set	200m	100m
4~6KW	12	12	12	12	10	10	10	10			
8~12KW	24	24	20	20	20	20	20	20			

### **Product Introduction**

#### Effcient

- Multiple charging topology, to maximize battery performance.
- Multiple working priority settings.
- Electricity bypass quick charging function.
- Solar panel MPPT charging technology.



- Global integrated monitor management, APP with one-button registration.
- Parallel operation up to 6 units.



- Over-load and short-circuit protection.
- · Capable of linear load or non-linear load.



• Easy to maintain.







## Specification

Factory warranty (years)

	BN1012C/E	BN1024C/E	BN1512C/E	BN1524C/E	BN2012C/E	BN2024C/E	
Line mode							
AC input voltage (V)	220/230/240						
Rated frequency (Hz)	50/60(auto detection)						
ansfer time (ms) (AC to DC or DC to AC):10ms (typical)							
nverter mode							
Output voltage waveform	Sine wave						
Rated output power (VA) / (W)	1000/1000		1500	/1500	2000/2000		
Rated output voltage (V)	220/230/240(±10%)						
Rated output frequency (Hz)	50±0.3/60±0.3						
Efficiency	>88%						
Over-load protection	(110% <load<125%)±10%:fault(shutdown 15min;<br="" after="" output)="">(125%<load<150%)±10%:fault(shutdown 60s;<br="" after="" output)="">load&gt;150%±10%:Fault(shutdown output) after 20s</load<150%)±10%:fault(shutdown></load<125%)±10%:fault(shutdown>						
Peak power (10s) (VA)	3000 4500				6000		
Charge (Line)							
Charge current (A)	35	20	45	25	65	35	
Over charge protection	Bat. V≥15.7 is 12VDC mode, (*2 is 24VDC input mode, *4is 48VDC mode)every 1s & fault after 60s						
Charge (Solar) (E series is not inclu	ided)						
MPPT voltage range (V)	12VDC mode:15-55; 24VDC mode:18-78						
Max. PV input voltage (V)	12VDC mode:70; 24VDC mode:100						
Rated charge current (A)	45						
Max. full load charging efficiency	98%						
Others							
Dimension (L x W x H mm)	410x264x180 40					64x180	
Veight (kg)	15.7 16		19.9	19	21.9	22	
Degree of protection	IP20 (forced air, variable speed fan)						
Operating temperature range	-15°C to 40°C(-25°C ~ 60°C for storage)						
Safe certificate / EMC certificate	CE(EN62040-1, EN62040-2)/C2						

	BN3012C/E	BN3024C/E	BN4048C/E	BN5048C/E	BN6048C/E		
Line mode							
AC input voltage (V)	220/230/240						
Rated frequency (Hz)	50/60(auto detection)						
Transfer time (ms)	(AC to DC or DC to AC):10ms (typical)						
Inverter mode							
Output voltage waveform	Sine wave						
Rated output power (VA) / (W)	3000/	/3000	4000/4000	5000/5000	6000/6000		
Rated output voltage (V)			220/230/240(±10%)				
Rated output frequency (Hz)	50±0.3/60±0.3						
Efficiency	>88%						
Over-load protection	(110% <load<125%)±10%:fault(shutdown 15min;<br="" after="" output)="">(125%<load<150%)±10%:fault(shutdown 60s;<br="" after="" output)="">load&gt;150%±10%:Fault(shutdown output) after 20s</load<150%)±10%:fault(shutdown></load<125%)±10%:fault(shutdown>						
Peak power (10s) (VA)	110	000	12000	15000	18000		
Charge (Line)							
Charge current (A)	75	50	35	40	50		
Over charge protection	Bat. V≥15.7 is 12VDC mode, (*2 is 24VDC input mode, *4is 48VDC mode)every 1s & fault after 60s						
Charge (Solar) (E series is not included)							
MPPT voltage range (V)	12VDC mode:15-55;	24VDC mode:18-78	50-130				
Max. PV input voltage (V)	12VDC mode:70;	24VDC mode:100	200				
Rated charge current (A)	4	5	60				
Max. full load charging efficiency	98%						
Others							
Dimension (L x W x H mm)	460x26	64x180	510x264x180 555x264x180				
Veight (kg)	26.3	26	29.2	34.5	37.3		
Degree of protection	IP20 (forced air, variable speed fan)						
Operating temperature range	-15°C to 40°C(-25°C ~ 60°C for storage)						
Safe certificate / EMC certificate	CE(EN62040-1, EN62040-2)/C2						
actory warranty (years)			1				

## **Product Introduction**



- Multiple charging topology, to maximize battery performance.
- Multiple working priority settings.
- Electricity bypass quick charging function.
- Solar panel MPPT charging technology.



- Global integrated monitor management, APP with one-button registration.
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- · Capable of linear load or non-linear load.



• Easy to maintain.





	DN100.400 N	DNI400400 NI	DNI400400 NI				
	BN8048C-N	BN10048C-N	BN12048C-N				
Line mode							
Rated input voltage (V)	220/230/240						
ted frequency (Hz) 50/60 (auto detection)							
nsfer time (ms) (AC to DC or DC to AC):10ms (typical)							
Invert mode							
Output voltage waveform	Sine wave						
Rated output power (VA) / (W)	8000/8000	10000/10000	12000/12000				
Rated output voltage (V)	220/230/240(±10%)						
Rated output frequency (Hz)	50±0.3 / 60±0.3						
Efficiency	>88%						
Over-load protection	(110% <load<125%) (125%<load<150%)="" 15min;="" 60="" after="" fault(shutdown="" load="" output)="" ±10%:="" ±10%:fault(shutdown="">150%±10%:Fault(shutdown output) after 20s</load<125%)>						
Peak power (10s) (VA)	24000	30000	36000				
Charge (Line)							
Charge current (A)	70	80	100				
Over charge protection	Anti-reverse connecting protection≥62.8V; chirping once per second and shutdown after 60s						
Charge (Solar)							
MPPT Number	2						
MPPT voltage range (V)	80-250						
Max. PV input voltage (V)	300						
Rated charge current (A)		60*2					
Max. output power (W)	3200*2						
Max. full load charging efficiency	98%						
Others							
Dimension (H x W x D mm)	670x410x215						
Weight (kg)	71.5	75.5	78.3				
Degree of protection / Noise (dB)	IP20(forced air, variable speed fan)/ < 60						
Operating temperature / humidity range	-15°C to 40°C (-25°C ~ 60°C for storage) / 5% to 95%						
Communication interface	RS-485/GPRS/WiFi						
Safety certificate / EMC certificate	CE(EN62040-1, EN62040-2) / C2						
Warranty (years)	rranty (years) 1						

# **Applications**







• Nigeria 6KW



• Xizang, China 1KW













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