

A faint, dotted world map background.

PRODUCT CATALOGUE



COMPANY PROFILE

National Energy Industrial Group Co., LTD was established in 2015. It is a high-tech enterprise that integrates research and development production and sales, mainly focusing on photovoltaic+energy storage and photovoltaic application products. It has established 12 subsidiary companies, including Guizhou Guoneng Technology Development Company and Shenzhen Branch, and jointly established a research and development laboratory with Guizhou University. The research and development team mainly consists of 21 technical backbone personnel, including 10 PhDs.

The company's main products include: photovoltaic solar modules, household and industrial energy storage systems, mobile portable power supply, portable solar air conditioner, RV solar power generation systems, intelligent solar street lights, solar water pump and other products.

At present, we have cooperated with enterprises from more than 60 countries and regions around the world. The next step is to establish subsidiaries or after-sales service centers in important cities around the world. Mainly export our solar products to Europe, the United States, Africa, and RCEP Countries at present.

In recent years, the company has successively passed certifications such as TUV, DEKRA, ISO 9001, ISO 14001, OHSAS 18001, CQC, CE. Certification of intellectual property management system, and obtaining "Green Factory", "SRDI", "Million Talents Enterprise", "Guizhou Province National Unity and Progress Model Collective", "Top 10 Caring Enterprises for Women and Children in Guizhou", "Model Collective for Ethnic Unity and Progress in Guizhou Province" etc.

At present, the company has 15 invention patents, 42 utility model patents, and 16 design patents. Next, the company will continue to increase research and development investment and result transformation, with a focus on researching new energy fields such as third-generation solar energy technologies such as perovskite solar energy, energy storage batteries, and photovoltaic application products. We plan to continuously improve product quality and performance through technological innovation and optimization of production processes, in order to enhance the core competitiveness of the enterprise and meet the needs of the international market.

THE ARRIVAL OF PROVINCIAL GOVERNORS



Bingjun Li, vice secretary of the Guizhou Provincial Committee and Governor of the Province, provided on-site guidance at the booth during the Second Industrial Expo.



Gang Chen, the Secretary of the Guizhou Provincial Committee and Party Secretary of Guiyang City, who is leading a delegation to participate in the Shenzhen High-Tech Fair and providing on-site guidance at our booth. Gang Chen is also now serving as the Party Secretary of the Qinghai Provincial Committee.

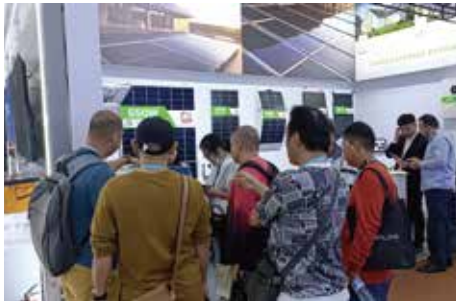


Li He, the Vice Governor of Guizhou Province and Vice Chairman of the Guizhou Provincial People's Congress, is leading a delegation to participate in the Beijing High-Tech Expo and providing on-site guidance at our booth.

INTERNATIONAL VISITOR



The 134th Canton Fair



The 134th Canton Fair



The 134th Canton Fair



The 15th China UAE Trade Expo



The 15th China UAE Trade Expo



Visitor at Hong Kong Entrepreneur Day



Factory Visit (Clients from Bangladesh)



Head Office Visit (Client from Nigeria)

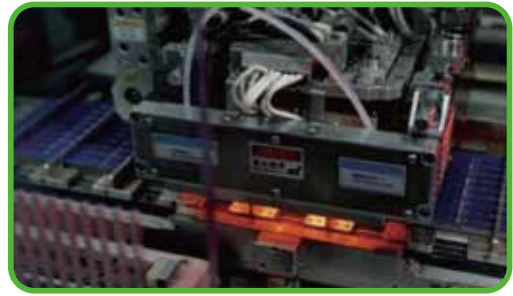


Factory Visit (Clients from Sri Lanka)

From Manufacturing To Intelligent Manufacturing



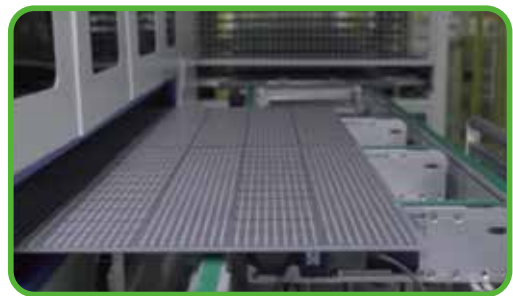
AUTOMATIC CUTTING



AUTOMATIC WELDING



AUTOMATIC SPLICING



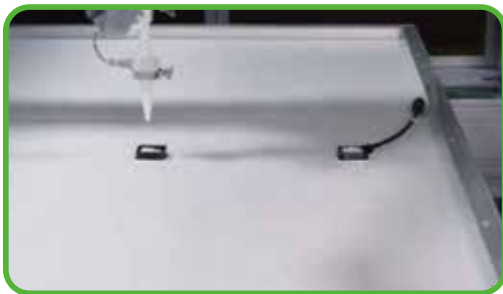
LAMINATED



EL TEST



AUTOMATIC FRAMING



AUTOMATIC GLUE FILLING



VISUALINSPECTION

National Energy Industrial Group can work for various advanced technology production requirements, and achieved the transition from manufacturing to intelligent manufacturing.

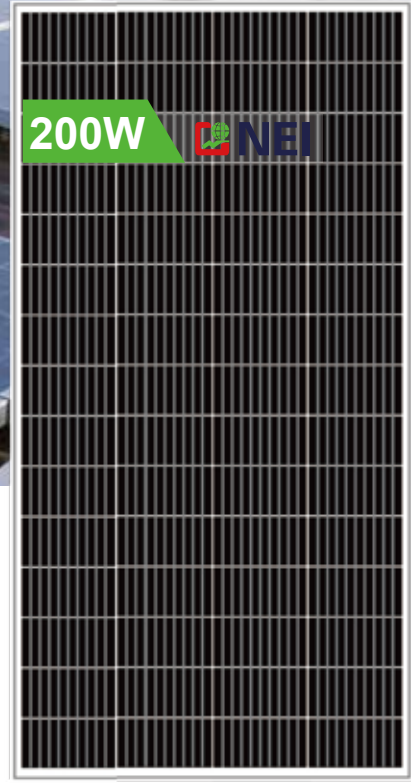
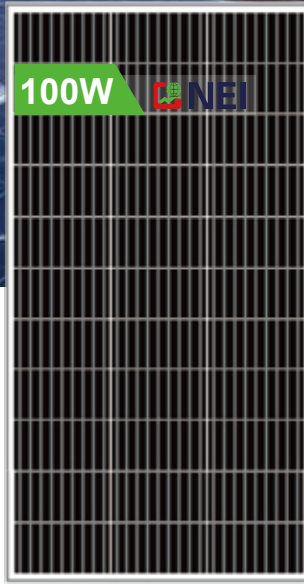
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SOLAR PANEL

(Small Size)



PRODUCT RANGE

MODEL:

● NEI 10-60W	● NEI 200-220 W
● NEI 70-120 W	● NEI 250-280 W
● NEI 150-180 W	● NEI 300-320 W



ELECTRICAL CHARACTERISTICS AT STC

Nominal Power(Pmax)	10W	20W	30W	40W	50W	60W	70W	80W	90W	100W	110W	120W
Open circuit Voltage(Voc)	21.76V	23.12V	24.48V	23.12V	21.76V	21.76V	24.48V	21.76V	24.48V	22.44V	24.48V	24.48V
Short circuit current(Isc)	0.58A	1.09A	1.54A	2.17A	2.88A	3.46A	3.59A	4.61A	4.61A	5.59A	5.63A	6.15A
Voltage at Nominal Power(Vmp)	18.24V	19.38V	20.52V	19.38V	18.24V	18.24V	20.52V	18.24V	20.52V	18.81V	20.52V	20.52V
Circuit at Nominal Power(Imp)	0.55A	1.04A	1.47A	2.07A	2.75A	3.29A	3.42A	4.39A	4.39A	5.32A	5.36A	5.85A
Module Efficiency (%)	14.3%	16.3%	15.9%	17.2%	17.6%	17.6%	15.31%	17.22%	14.93%	15.13%	15.37%	17.03%
Operating Temperature	-40 C to + 85 C											
Maximum System Voltage	1000VDC (IEC) /600VDC (UL)											
Fire Resistance Rating	Type 1(in accordance with 1703) / Class C (IEC61730)											
Maximum Series Fuse Rating	15A											
*STC : Irradiance1000W/m ² , Ce11 temperature25 C , AM1.5 , Power Tolerance 0 、 + 3 %												

SIZE AND PACKING

	Cells Size	Number Of Cells	Dimension	Weight
10W	52.5x30mm	32(16x2)	290x240x17mm	0.8kg
20W	105X26.2 mm	34(17x2)	510x240x17mm	1.3kg
30W	182X22.7 mm	36(18x2)	470x400x17mm	1.8kg
40W	210X26.2 mm	34(17x2)	515x450x25mm	2.6kg
50W	210X35mm	32(16x2)	630x450x25mm	3.2kg
60W	210x42mm	32(16x2)	740x460x25mm	4.1kg
70W	182X45.5mm	36(18x2)	900x400x25mm	5.6kg
80W	182X60.67 mm	32(8x4)	770x540x25mm	5.9kg
90W	182X60.6 mm	36(9x4)	770x605x25mm	6.3kg
100W	166X83 mm	33(11x3)	980x540x25mm	6.5kg
110W	166X83mm	36(12x3)	1070x540x25mm	7.1kg
120W	210x70mm	36(9x4)	880x740x25mm	7.6kg

MECHANICAL CHARACTERISTICS

Front cover	3.2mm,Anti-Reflection Coating.Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP 67 Rated
Cable	TOV 1x4.0mm ²
Connector	PV Connector(compatible)

Electrical Specifications

Module Type	150W		160W		180W		200W		210W		220W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/W)	150W	113W	160W	121W	180W	136W	200W	151W	210W	159W	220W	167W
Rated voltage (Vmp/V)	18V	16V	18.2V	16.2V	19.5V	17.3V	34.2V	30.4V	34.25V	30.48V	34.3V	30.53V
Rated current (Imp/A)	8.34A	7A	8.8A	7.4A	9.23A	7.8A	5.85A	4.97A	6.14A	5.22A	6.42A	5.47A
Open circuit voltage (Voc/V)	20.8V	18.5V	21V	18.7V	22.3V	19.9V	40.8V	34.48V	40.85V	36.36V	40.9V	33.95V
Short circuit current (Isc/A)	8.8A	7.8A	9.3A	7.89A	9.7A	8.2A	6.15A	5.22A	6.44A	5.48A	6.74A	5.74A
Module efficiency(%)	20.65%		20.85%		20.65%		20.65%		20.85%		21.07%	
Power Tolerance(W)	0~+5											

Mechanical Specifications

Module Type	150/160/180W	200W	200/210/220W
Cell Type	MBB MONO 210×105mm	MBB MONO 210×105mm	MBB MONO 182×91mm
No. of Cells	33(3×11)	36(3×12)	60(4×15)
Dimension	1230x670x30mm	1330x670x30mm	1430x780x30mm
Weight	9.5kg	10kg	12kg
Glass	3.2mm, Low Iron Tempered Glass		
Frame	Anodized Aluminium Alloy		
Junction Box	IP68,3 diodes		
Output Cables	4mm ² ,Length 300mm or customized		
Connector type	MC4 compatible		

Electrical Specifications

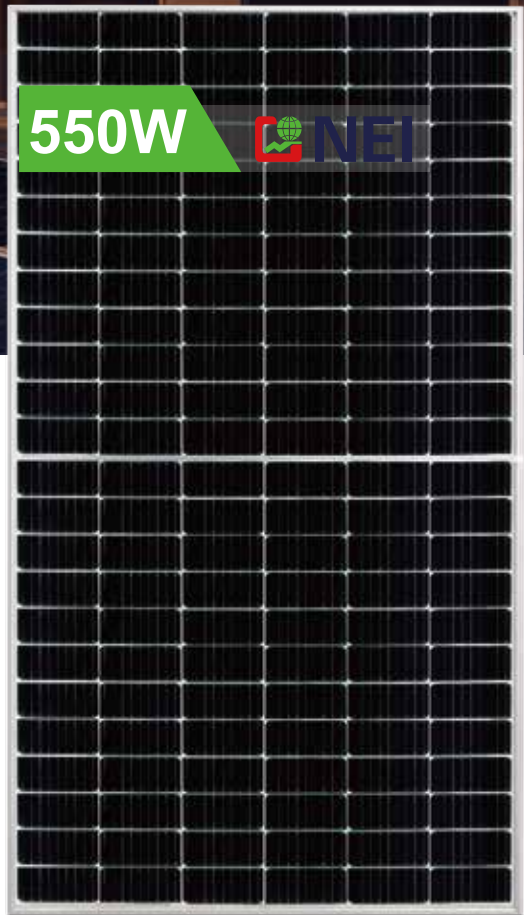
Module Type	250W		260W		280W		300W		320W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/W)	250W	189W	260W	195W	280W	210W	300W	226W	320W	242W
Rated voltage (Vmp/V)	38.7V	34.5V	41.04V	36.53V	41.1V	36.57V	36.4V	32.5V	36.6V	32.6V
Rated current (Imp/A)	6.46A	5.47A	6.34A	5.34A	6.82A	5.74A	8.25A	6.95A	8.74A	7.45A
Open circuit voltage (Voc/V)	43.5V	36.8V	48.96V	40.64V	48.97V	40.64V	42.6V	38.1V	43.4V	38.7V
Short circuit current (Isc/A)	6.85A	5.8A	6.66A	5.61A	7.16A	6.02A	8.73A	7.38A	9.26A	7.82A
Module efficiency(%)	21.20%		20.65%		20.85%		20.65%		20.86%	
Power Tolerance(W)	0~+5									

Mechanical Specifications

Module Type	250W	260/280W	300/320W
Cell Type	MBB MONO 182×91mm	MBB MONO 182×91mm	MBB MONO 210×105mm
No. of Cells	68(4×17)	72(4×18)	64(4×16)
Dimension	1630x770x30mm	1720x780x30mm	1750x880x35mm
Weight	14kg	15kg	17kg
Glass	3.2mm, Low Iron Tempered Glass		
Frame	Anodized Aluminium Alloy		
Junction Box	IP68,3 diodes		
Output Cables	4mm ² ,Length 300mm or customized		
Connector type	MC4 compatible		

SOLAR PANEL

(Big Size)



PRODUCT RANGE

MODEL:

R SERIES	N SERIES
• NEI(400-420)-108M	• NEI(415-435)-108M
• NEI(440-460)-120M	• NEI(465-485)-120M
• NEI(500-520)-132M	• NEI(515-535)-132M
• NEI(540-560)-144M	• NEI(565-585)-144M
	• NEI(610-630)-156M

Comprehensive

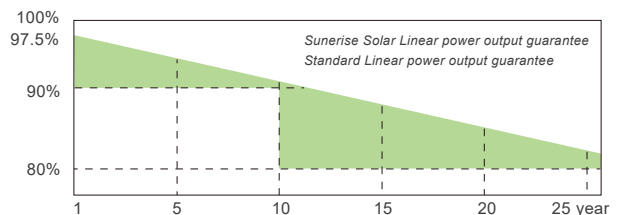
Products and System Certificates
 ETROEC 61215 / IEC 61730 / CEIINN
 ISO 9001: 2015 / Quality management system
 ISO 14001: 2015 / Standards for nvironmental management system
 OHSAS 18001: 2007 / International standards for occupational health & safety



Warranty

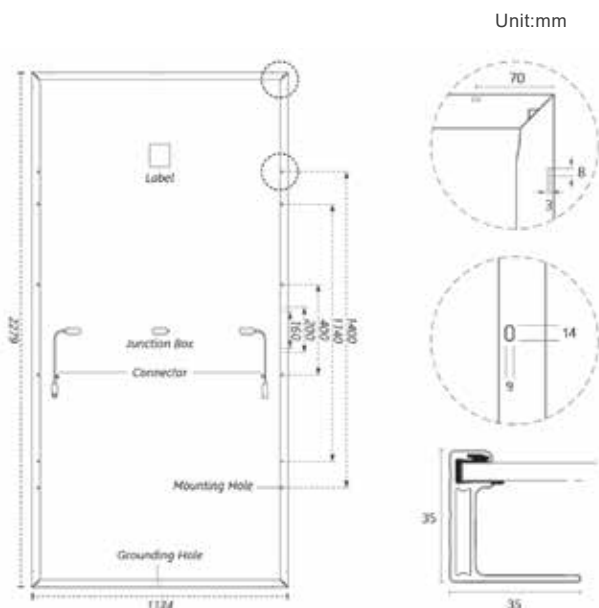
30 years
 Linear power output warranty
 *12 years minimum 92% power output
 *30 years minimum 83% power output

12 years
 Product warranty on materials and workmanship
 According to the applicable Einnova Solarline
 Limited Warranty Statement



R SERIES [NEI(540-560)-144M]

DESIGN



MECHANICAL SPECIFICATION

Cell Type	Dimension(LxWxT)	Weight
Mono 182*91mm	2279*1134*35mm	29kg
Packing	31pcs/pallet,620pcs/40HQ	
Cable (Including connector)	4.0mm ² ,Portrait:350mm(+)/350mm(-) Landscape: 1400mm(+)/1400mm(-)	
No.of Cells	144(6x24)	
Glass	3.2mm High Transmission, Antireflection Coating	
Junction box	IP68, 3 Bypass Diodes	
Connector	MC4 Compatible	

OPERATING PARAMETERS

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40~+85°C
Maximum series fuse rating	30A
Snow load, frontside	5400Pa
Wind load, backside	3600Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

ELECTRICAL CHARACTERISTICS(STC)

Module Type	NEI(540-560)-144M				
Maximum Power(Pmax)	540W	545W	550W	555W	560W
Open-circuit Voltage (Voc)	49.8V	50.0V	50.2V	50.4V	50.6V
Maximum Power Voltage (Vmp)	42.0V	42.2V	42.4V	42.6V	42.8V
Short-circuit Current (Isc)	13.66A	13.72A	13.78A	13.84A	13.90A
Maximum Power Current (Imp)	12.86A	12.91A	12.97A	13.03A	13.09A
Module Efficiency (%)	20.89%	21.09%	21.28%	21.47%	21.67%
Power Tolerance	0~+5W				
Temperature Coefficient of Isc	0.05%/°C				
Temperature Coefficient of Voc	-0.31%/°C				
Temperature Coefficient of Pmax	-0.35%/°C				

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

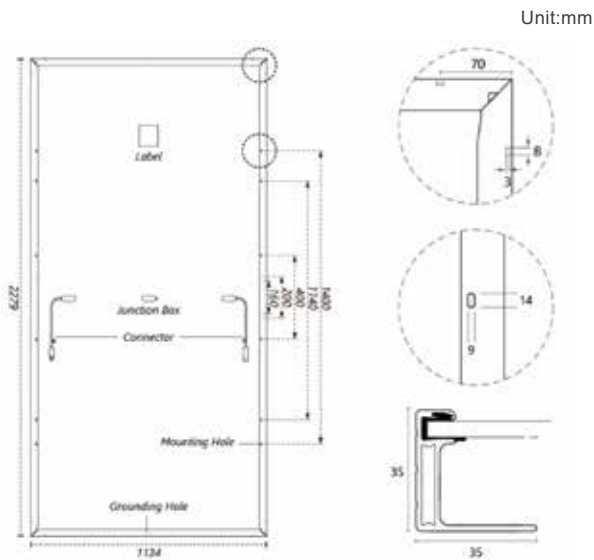
ELECTRICAL CHARACTERISTICS(NOCT)

Module Type	NEI(540-560)-144M				
Maximum Power(Pmax)	402W	405W	409W	413W	417W
Open-circuit Voltage (Voc)	46.7V	46.9V	47.1V	47.3V	47.5V
Maximum Power Voltage (Vmp)	39.4V	39.6V	39.8V	40.0V	40.2V
Short-circuit Current (Isc)	11.04A	11.09A	11.13A	11.17A	11.21A
Maximum Power Current (Imp)	10.20A	10.24A	10.29A	10.32A	10.36A

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

N SERIES [NEI(565-585)-144M]

ENGINEERING DRAWINGS(mm)



MECHANICAL SPECIFICATION

Cell Type:	TOPCON182*91mm
No. Of Cells:	144(6*24)
Junction Box:	IP68,3 diodes
Frame:	Anodized frame
Weight:	29kg±3%
Dimension:	2279*1134*35mm
Cable:	4mm ² ,350mm in length,can be customized
Glass:	Single glass, 3.2mm high transmission, antireflection coating

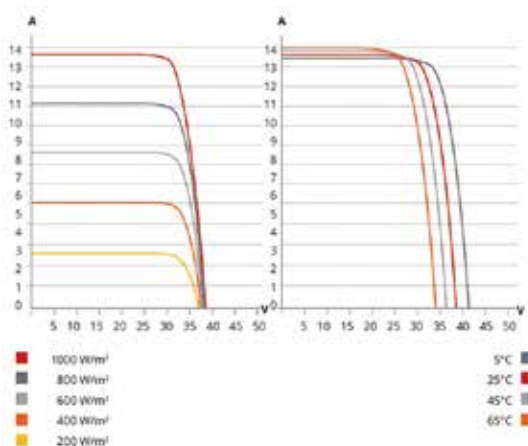
OPERATING PARAMETER

Max.System Voltage:	1500V/DC
Operation Temperature:	-40~+85°C
Max.Snow Load(Front):	5400Pa
Max.Wind Load(Front):	3600Pa
NOCT:	45±2°C

ELECTRICAL CHARACTERISTICS

Module Type	NEI(565-585)-144M									
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	565W	425W	570W	429W	575W	432W	580W	436W	585W	440W
Maximum Power Voltage (Vmp)	41.98V	39.44V	42.13V	39.57V	42.28V	39.7V	42.43V	39.83V	42.58V	39.96V
Maximum Power Current (Imp)	13.46A	10.78A	13.53A	10.84A	13.6A	10.89A	13.67A	10.95A	13.74A	11.01A
Open-circuit Voltage (Voc)	50.62V	48.12V	50.76V	48.26V	50.9V	48.4V	51.04V	48.54V	51.18V	48.68V
Short-circuit Current (Isc)	14.21A	11.47A	14.28A	11.54A	14.35A	11.61A	14.42A	11.68A	14.49A	11.74A
fill factor (FF)	78.55%		78.64%		78.72%		78.81%		78.89%	
Module Efficiency (%)	21.86%		22.06%		22.25%		22.44%		22.64%	

NEI 580-144M / IV CURVE



TEMPERATURE CHARACTERISTICS

NMOT	45±2°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.34%/°C

PACKING CONFIGURATION

Modules/Pallet	31 Pieces	Modules/40`Container	620 Pieces
Packaging Description	24 Pallets.Total=(31+31)x10=620 Pieces		

FLEXIBLE SOLAR PANEL



PRODUCT RANGE

MODEL:

- NEI 55 W
- NEI 100 W
- NEI 160 W





POWER	55W	55W	100W	160W
Panel Size	530*540*3mm	530*540*3mm	525*990*3mm	700*1200*3mm
Open circuit voltage	6.22V	12.45V	22.83V	35.98V
Short circuit current	11.26A	5.74A	5.74A	5.74A
Working voltage	5.31V	10.63V	19.5V	30.73V
Working current	10.75A	5.33A	5.33A	5.33A
Weight	0.5kg	0.5kg	1.0kg	1.6kg

SOLAR BLANKET



PRODUCT RANGE

MODEL:

- NEI-B100M
- NEI-B120M
- NEI-B160M
- NEI-B200M
- NEI-NB100M
- NEI-NB150M
- NEI-NB200M
- NEI-NB300M
- NEI-NB400M



● NEI-NB100M



Power: 100W
 expansion size: 520*1345mm
 Folding size: 520*350*35mm
 Net weight of finished product: 3.9kg
 Color: Black
 Number of panels: 3
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.3V
 Short circuit current: 6.5A
 Working current: 5.5A
 Working voltage: 18V



● NEI-NB150M



Power: 150W
 expansion size: 1660*540*5mm
 Folding size: 540*570*25mm
 Net weight of finished product: 6.5kg
 Color: Black
 Number of panels: 3
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.8V
 Short circuit current: 9.27A
 Working current: 8.42A
 Working voltage: 18V



● NEI-NB200M



Power: 200W
 expansion size: 2130*675*8mm
 Folding size: 525*675*35mm
 Net weight of finished product: 8kg
 Color: Black
 Number of panels: 8
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.6V
 Short circuit current: 12.31A
 Working current: 11.2A
 Working voltage: 18V



● NEI-NB300M



Power: 300W
 expansion size: 3750*575*8mm
 Folding size: 640X575X80mm
 Net weight of finished product: 9.5kg
 Color: Black
 Number of panels: 8
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Optimum Operating Voltage (Vm): 20.7V
 Optimum Operating Current (Im): 14.5A
 Open-circuit Voltage (Voc): 24.2V
 Short-circuit Current (Isc): 15.5A



● NEI-B100M



Power: 100W
 expansion size: 1710*440*8mm
 Folding size: 420*440*35mm
 Net weight of finished product: 4.1kg
 Color: Black
 Number of panels: 3
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.6V
 Short circuit current: 6.25A
 Working current: 5.68A
 Working voltage: 18V

● NEI-B120M



Power: 120W
 expansion size: 1620*730*8mm
 Folding size: 340*360*70mm
 Net weight of finished product: 4.1kg
 Color: Black
 Number of panels: 6
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.8V
 Short circuit current: 7.41A
 Working current: 6.74A
 Working voltage: 18V

● NEI-B160M



Power: 160W
 expansion size: 1700*830*8mm
 Folding size: 360*410*70mm
 Net weight of finished product: 6.5kg
 Color: Blue
 Number of panels: 3
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.8V
 Short circuit current: 9.88A
 Working current: 8.98A
 Working voltage: 18V

● NEI-B200M



Power: 200W
 expansion size: 1940*890*8mm
 Folding size: 420*440*70mm
 Net weight of finished product: 8.4kg
 Color: Black
 Number of panels: 8
 Life Time: more than 10 years
 Solar energy conversion efficiency : 22%
 Open circuit voltage: 21.6V
 Short circuit current: 12.31A
 Working current: 11.2A
 Working voltage: 18V

HOME ENERGY STORAGE BATTERY

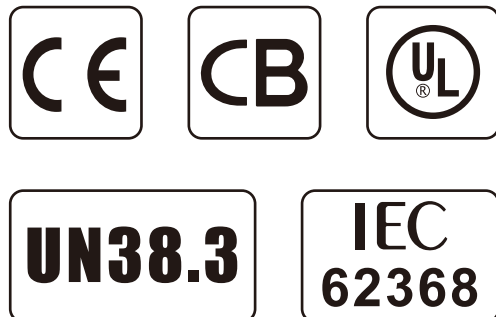


PRODUCT RANGE

MODEL:

- 4.8KWh All-in-one ESS Backup Battery
- 5KWh Wall-mounted Battery
- 10KWh Wall-mounted Battery
- 15KWh Mobile Battery
- Low-voltage All-in-one ESS

CERTIFICATION:



● 4.8KWh All-in-one ESS Backup Battery



- **Integrated Convenience:** All-in-One Design
- **Effortless Usability:** Plug and Play Capability
- **Versatile Power Sources:** Photovoltaic & Utility inputs
- **Robust Safety Features:** Over-Charge & Discharge, Short-Circuit Protection
- **Smart Connectivity:** WiFi Enabled with Remote Upgradeability

Model	NEI12-4800YA1	NEI12-4800YAA
Battery parameters		
Battery Type	LFP	
Rated Voltage	48V	
Input Voltage Range	40.5-54V	
Capacity	4.8KWh	4.8KWh
Inverter parameters		
Charging Power	1500W	1500W
Rated Voltage	110Vac	230Vac
Maximum input Power fromSolar Charging	500W	
MPPT Input Voltage Range	12-50V	
Rated AC Output Power	2000W	
Rated Voltage	110Vac	230Vac
Maximum Battery to AC	92%	93%
Maximum AC to Battery	93%	
Communication Interface	WIFI,Bluetooth	
Applications	Home Appliances,Consumer Electronics,Electric Vehicles,Electric Power Systems,Solar Energy Storage Systems	
Certification	UL1973,IEC62619,UN38.3	
Warranty	5 years	
Packing Quantity	1pcs/Wooden case	
	20"container:120pcs/Wooden case(120pcs/Battery)	
	40"container:240pcs/Wooden case(240pcs/Battery)	

● 5KWh Wall-mounted Battery



- **Appearance Design:** Small volume, high density, 3U height
- **Hanger-less:** Ultra-thin and hanger-less design
- **Various Installation Options:** Floor standing, wall-mounted and stacked

Model	NEI11-5120CAA
Energy Capacity	5.12KWh
Battery Type	lifePO4 /Lithium Battery
Voltage	51.2V
Size(L×W×D)	650×329×138mm
Weight	About:48kg
Communication Mode	RS232-PC,RS485(B)-PC RS485(A)-Inverter,Canbus-Inverter
Scalability	Supports up to 16 units in parallel (6 batteries in parallel recommended)
Installior	Wall-Mounted
Battery Lifecycle (>80%)	≥5000 cycles @80%DOD,25℃,0.5C
	≥4000 cycles @80%DOD,40℃,0.5C
Warranty	5 years
Certification	UN38.3,MSDS,UL1973(Cell),IEC62619(Cell)
Inverter	Not included
Inverters Compatible	Solax,Goodwe,Sungrow,Lantruan,Sofarsolar,GMDE,etc.
Applications	Home Appliances,Consumer Electronics,Electric Vehicles, Electric Power Systems,Solar Energy Storage Systems
Packing Quantity	1pcs/CTN,12pcs/pallet
	20"container:264pcs (22 pallets)
	40"container:528pcs(44 pallets)

● 10KWh Wall-mounted Battery



- **Compact Design:** Wall mounted design
- **Waterproof Level:** IP65 waterproof
- **Safe&Reliable:** Over-charging and discharging protection, short-circuit protection
- **Dial-free Design:** Parallel non-dialing design, automatic recognition of IP address
- **Smart Operation:** Support remote monitoring/software upgrade

Model	NEI11-010KCAA
Energy Capacity	10.24KWh
Battery Type	LifePO4 /Lithium Battery
Voltage	51.2V
Size(L×W×D)	870×595×245mm
Weight	85kg
Protection Grade	IP65
Communication Mode	Can/RS485
Scalability	Supports up to 16 units in parallel
Installator	Wall-Mounted
Battery Lifecycle (>80%)	6000 times
Warranty	10 years
Certification	UL 1973,IEC62619,UN38.3,CE-EMC
Inverter	Not included
Inverters Compatible	Solax,Goodwe,Sungrow,Lantruan,Sofarsolar,GMDE,etc.
Applications	Home Appliances,Consumer Electronics,Electric Vehicles, Electric Power Systems,Solar Energy Storage Systems
Packing Quantity	1pcs/CTN,8pcs/pallet
	20"container:160pcs (20 pallets)
	40"container:336 pcs(42 pallets)

● 15KWh Mobile Battery



Model	15KWh
Nominal Voltage	48V(1P15S)
Nominal Capacity	320Ah
Nominal Energy	15360Wh
Internal Resistance	≤40mΩ
Standard Charging Current	160A
Max Charging Current	200A
Upper Limit Charging Voltage	53.25V or 3.55V/cell
Standard Discharging Current	160A
Max continuous Discharging current	200A
Discharge Cut-off voltage (Udo)	40.5V
Charging Temperature Range	0°C~55°C
Discharge Temperature Range	-30°C~55°C
Storage Temperature Range	-20°C~60°C (Recommended:25±3°C)
Storage Humidity Range	≤90%RH
IP Grade	IP20
Dimensions (L*W*Hmm)	870*595*245
Weight	127±3kg
Communication Mode	RS485A/RS485B
Number of Parallel Connections	Supports up to 16 units in parallel(6 batteries in parallel recommended)

● Low-voltage All-in-one ESS



Model		NEI12-010KEAA
Battery Pack Parameter for Single Module		
Combination method		1P16S
Nominal Capacity		104Ah
Nominal Energy		5.32KWh
Nominal Voltage		51.2V DC
Recommended Charging Voltage		56.8V or 3.55V/any cell
Internal Impedance		≤40mΩ
Standard Charge		90A
Standard Discharge		90A
Discharge Cut-off Voltage(Udo)		43.2V
Operation Temperature Range		"Charge:0~55 C , Discharge:-20~55 C "
Storage Temperature Range		-20 C ~60 C
Weight		50±3kg
Dimensions(W*D*Hmm)		670*176*453
IP Grade		IP54
Inverter Parameter		
Inverter power		5500W
Rated Energy		10KWh
AC input voltage		220V(50-60Hz)
AC output voltage		220V(50-60Hz)
PV Input Data		
MPPT voltage range(V)		120-500V
Number of MPPT		1
General Data		
Stackable quantity		1-3(Each battery pack is 5.32KWh)
Operating Temperature Range (C)		25~60 C ,>45 C Derating
Cooling		cooling
Installation Style		Pile up
Output Over Current Protection		Integrated
Output Over Voltage Protection		Integrated
PV Input Lightning Protection		Integrated
Storage Temperature Range		"-20 C ~60 C (Recommend(25±3 C ;≤90%RH storage moisture range)"
Dimensions(W*D*Hmm)		670*176*1510
Weight		135±3kg
IP Grade		IP54

INDUSTRIAL ENERGY STORAGE BATTERY



PRODUCT RANGE

MODEL:

- 76.8KWh High-voltage Battery
- C&I BESS with Air Cooling(500KWh)
- C&I BESS with Air Cooling(1MWh)
- 0.25MW/0.5MWh ESS Design Proposal
- 0.5MW/1MWh ESS Design Proposal



Quick installation and setup



Intelligent, economic, user-friendly



Multi-level safety design



Simple and thin appearance

● 76.8KWH High-voltage Battery



- **Compact Design:** High voltage design
- **Easy Installation:** Plug and play, easy installation
- **Safe&Reliable:** Over-charging and discharging protection, short-circuit protection
- **Flexible Design:** Modular design, flexible customized output
- **Smart Operation:** Remote monitoring/software upgrades, local visualization

Model	76.8KWH
Energy Capacity	76.8KWH
Battery Type	LifePO4 /Lithium Battery
Voltage	AC 220V
Size (L×W×D)	(W739×D905×H1980)mm
Weight	900kg
Communication Mode	Can/RS485
Scalability	Supports up to 3 units in parallel
Installation	Standing
Battery Lifecycle (>80%)	6000 times
Warranty	10 years
Certification	UL1973.UN38.3
Inverter	Not included
Inverter Compatible	Deye,Sol-Ark
Applications	Home Appliances,Consumer Electronics,Electric Vehicles, Electric Power Systems,Solar Energy Storage Systems
Packing Quantity	1pcs/CTN,8pcs/pallet,1cabinet/CTN
	20"container:80pcs(10 pallets),8cabinets(8CTNS)
	40"container:170pcs (22 pallets),17cabinets(17CTNS)

● C&I BESS with Air Cooling(500KWh)



Model	NEI22 -100MJAA
Cell	LFP
Nominal Energy	500KWh
Nominal Voltage	563.2V
Capacity per Cluster	300Ah
Amount of Cluster	3 clusters in parallel
Operating Voltage Range	493V~625V
AC Output	
Rated Power	250KW
Rated Voltage	AC400V,3P4W+PE
Rated Frequency	50Hz/60Hz
Maximum Output Current	397A
Power Factor	1lagging-1leading
Maximum Harmonic Current	<3%(Rated output power)
Insulation Method	No insulation transformer required
General Parameter	
Dimensions (L*W*Hmm)	6058*2438*2896
Weight	13000kg
IP Grade	IP54
Operating Temperature Range	-20% C~55 C
Operating Altitude	<3000m
Cooling	cooling
Noise	<75dB
Fire Fighting System	FM200
Communication	Ethernet,Modbus TCP/IP
Certification	IEC62619-cell,GB_T36558,UN38.3

● C&I BESS with Air Cooling(1MWh)



Model	NEI22-100MJAA
Cell	LFP
Nominal Energy	1075KWh
Nominal Voltage	716.8V
Capacity per Cluster	300Ah
Amount of Cluster	3 clusters in parallel
Operating Voltage Range	680V~840V
AC Output	
Rated Power	180KW/360KW/500KW/600KW
Rated Voltage	AC400V,3P4W+PE
Rated Frequency	50Hz/60Hz
Maximum Output Current	690A
Power Factor	1lagging-1leading
Maximum Harmonic Current	<3%(Rated output power)
Insulation Method	No insulation transformer required
General Parameter	
Dimensions (L*W*Hmm)	6058*2438*2896
Weight	18000kg
iP Grade	IP54
Operating Temperature Range	-20% C ~55 C
Operating Altitude	<3000m
Cooling	Air cooling
Noise	<75dB
Fire Fighting System	FM200
Communication	Ethernet,Modbus TCP/IP
Certification	IEC62619-cell,GB_T36558,UN38.3

PORTABLE POWER SUPPLY



- NEI-300W
- NEI-600W
- NEI-1200W
- NEI-1500W
- NEI-2000W

• NEI-300W



Category	Project	Specification parameters
INPUT	DC1,DC2	14.6V/10A charger input, supports photovoltaic PWM tracking, with a maximum photovoltaic input voltage of 24V. Two DC552 circuits are shared and cannot be plugged into different power sources or used with equipment at the same time
AC OUT 220V	AC output voltage	2 AC sockets AC 220V \pm 5%
	AC output power	300W
	AC output overpower protection	310W ~ 450W
	AC output waveform	Pure sine wave
	AC instantaneous output power	\geq 600W
	Frequency	50Hz
USB output port	TYPE-C output	QC3.0 MAX 12V/1.5A(18W),PD MAX 12V/1.5A(18W)
	USB-A1 output	QC3.0 MAX 12V/1.5A (18W)
	USB-A2 USB-A3 output	Total output MAX 5V/3A (15W)
DC12V output	DC1、DC2	12V/10A(120W) MAX
The cell	Type	4 series of lithium iron phosphate
	Capacity	192WH
	Voltage range	10V~14.6V
	Cycle life	Over 2000 times
LED display screen	Display battery level, charging, and stopping charging status	Voltage and battery column display
	DC, AC, LED, inverter status	Display screen display
Bluetooth version		five point four
Maximum output power of the horn		5W
Static startup		< 1W (without AC turned on)
Protection function		Short circuit, overload, over temperature, over voltage, over current, under voltage, etc
Ambient temperature	Discharge environment temperature	-20 C ~ 45 C
	Charging environment temperature	0 C ~ 45 C
Over Temperature Protection	Over temperature protection	\geq 85 C
	Over temperature recovery	\leq 70 C

• NEI-600W



Category		Project	Specification parameters
INPUT	DC input		DC5521 12-24V-5A
	DC input		PD 100W
AC OUT 220V	AC output voltage		1 AC socket socket AC 220V± 5%
	AC output power		600W
	AC output over-power protection		About 650W
	AC output waveform		pure sine wave
	AC output peak		The 1200W peak maintenance duration was <50ms
	Frequency		50Hz
USB output port	USB1 output		QC 3.0 MAX 18W 12V/1.5A; SCP maximum output: 22.5W
	USB2 output		QC 3.0 MAX 18W 12V/1.5A; SCP maximum output: 22.5W
	TYPE-C1 output		PD/QC3.0 MAX 30W 12V/2.5A
DC12V output	DC1DC2 output		12V/10A MAX
TYPE-C output / input	TYPE-C2		PD100W output
The cell	Type		Lithium iron phosphate battery / 6000 mAh
	Capacity		30Ah (6S 2P)
	Power		576WH
	Cycle life		More than 2,000 times
Charging parameters			DC 12-24V/5A
Charging interval	6-7H		Charge from 0% to 100% (automatic)
Full of voltage	21.9V±0.1V		The voltage when the battery is charged to the automatic shutdown
LCD display screen	Display the power, charge and stop charging state		Power percentage and battery column are shown
	DC, AC, and inverter status		Display display
Boot static			< 10W
Defensive function			Short circuit, overload, over temperature, over voltage, over current, under voltage, etc
Overtemperature protection	Overtemperature protection		≥85 C
	Overtemperature recovery		≤70 C

• NEI-1200W



Category	Project	Specification parameters
INTPUT	DC input	DC5521 12-24V-5A
	DC input	Type-C PD100W
AC OUT 110V or 220V	AC output voltage	AC plug socket AC 220V±5%
	AC output power	1200W
	Overload protection	1300W
	AC output waveform	pure sine wave
	AC output peak	2400W peak maintenance duration <50ms
	Frequency	50Hz
USB output port	USB1 output	QC3.0 MAX 12V/1.5A
	USB2 output	QC3.0 MAX 12V/1.5A
The Type-C output port	Type-C1 output	PD18W
	Type-C2 output	PD100W
Wireless output		15W
DC output port	DC1 / DC2 cigarette lighter	12V/10A MAX
Charging parameters		DC 12-24V/5A
Charging time	5-6H	Charge from 10% to 100%(automatic off)
Charging voltage	21.9V±0.1V	The voltage until full-charged
Defensive function		Short circuit, over-load, over-temperature, over-voltage, over-current, short voltage, etc
LCD display screen	Display the quantity,charging	Power percentage and power column jump
	DC, AC, and PD working condition	Display power
The cell	Type	Lithium iron phosphate 33140 15AH
	Capacity	30AH 6S4P
	Battery pack power	1152Wh
	Recycle	More than 2,000 times
Overtemperature protection	Protection AC overtemperature	≥85 C
	Battery overtemperature	≥65 C
Boot static		<1W

• NEI-1500W



Category	Project	Specification parameters
INPUT	DC input	DC5521 12-24V-5A
	DC input	PD 100W
AC OUT 220V	AC output voltage	3 AC outlets with AC220V± 5%
	AC output power	1500W
	AC output over-power protection	Around 1,650 W
	AC output waveform	pure sine wave
	AC output peak	3000W peak maintenance duration <50ms
	Frequency	50Hz
USB output port	USB1 output	QC 3.0 MAX 18W 12V/1.5A; SCP maximum output: 22.5W
	USB2 output	QC 3.0 MAX 18W 12V/1.5A; SCP maximum output: 22.5W
	TYPE-C1 output	PD/QC3.0 MAX 30W 12V/2.5A
DC12V output	DC1DC2 output	12V/10A MAX
TYPE-C output / input	TYPE-C2	PD100W output
The cell	Type	Lithium iron phosphate battery / 6000 mAh
	Capacity	60Ah (6S4P)
	Power	1152WH
	Cycle life	More than 2,000 times
Charging parameters		DC 12-24V/5A
Charging interval	10-12H	Charge from 0% to 100% (automatic)
Full of voltage	21.9V±0.1V	The voltage when the battery is charged to the automatic shutdown
LCD display screen	Display the power, charge and stop charging state	Power percentage and battery column are shown
	DC, AC, and inverter status	Display display
Boot static		< 10W
Defensive function		Short circuit, overload, over temperature, over voltage, over current, under voltage, etc
Overtemperature protection	Overtemperature protection	≥85 C
	Overtemperature recovery	≤70 C

• NEI-2000W



Category		Project	Specification parameters
INPUT	DC input	DC5521 10~45V / 10A, support photovoltaic MPPT tracking DC5521 shared with XT 60, cannot be inserted at the same time	
	DC input	XT60 10~45V MAX400W supports photovoltaic MPPT tracking DC5521 is shared with XT 60 and cannot be inserted at the same time	
	AC input	Product word AC input interface 180V~250V rated power 1000W	
AC OUT 220V	AC output voltage	2 AC outlets with AC 220V± 5%	
	AC output power	2000W	
	AC output over-power protection	2200W ~ 2400W	
	AC output waveform	pure sine wave	
	AC instantaneous output power	≥2200W	
	Frequency	50Hz	
USB output port	TYPE-C1 output	QC3.0 MAX 12V/1.5A (18W) PD MAX 12V/2.5A (30W)	
	TYPE-C2 output	PD / QC3.0 MAX 20V / 5A (100W) TYPE-C 2 delivers 5V / 5A when C 2 is inserted simultaneously with USB-A 1	
	USB-A1 output	QC3.0 MAX 20V / 3A (60W) TYPE-C 2 shall output 5V / 5A when inserted simultaneously with USB-A 1	
	USB-A2 output	QC3.0 MAX 12V/1.5A (18W)	
Wireless charging		15W Max	
DC12V output	Output of DC1, DC and cigarette lighter	12V/10A (120W) MAX	
The cell	Type	16 strings lithium iron phosphate 16 strings 3 and	
	Capacity	2300WH	
	Voltage range	40V ~ 58.4V	
	Cycle life	More than 2,000 times	
Full of voltage	58.4V±0.1V	The voltage when the battery is charged to the automatic shutdown	
LCD display screen	Display the power, charge and stop charging state	Power percentage and battery column are shown	
	DC, AC, LED, wireless charging, inverter status	Display display	
Boot static		< 10W	
Defensive function		Short circuit, overload, over temperature, over voltage, over current, under voltage, etc	
Ambient temperature	Discharge ambient temperature	-20 C ~ 45 C	
	Charging environment temperature	0 C ~ 45 C	
Overtemperature protection	Overtemperature protection	≥85 C	
	Overtemperature recovery	≤70 C	

OUTDOOR EMERGENCY POWER SUPPLY





Outdoor Emergency Power Supply

1000W AC output solar power generation system

Battery type	12.8V80AH, 1000WH lithium iron phosphate
Inverter power	Constant power 1000W, peak 2000W
Solar panel charging time	18V100W, 10 hours
Charging time	3.5-4 hours of mains power with built-in charger
AC output	1PCS 220V
DC5521 output interface	2PCS 12V
USB-A	5V/9V 2.4A 2PCS
USB-C	5V/9V 2.4A 2PCS
LED mode	Low beam, high beam, fully open
LED lifespan	50000 hours
Material	Flame retardant ABS
Product size	200*240*585mm (system host)
Warranty period	2 years



SOLAR AIR CONDITIONER

PRODUCT RANGE

MODEL:

• ROG-2	• COG-1	• IOG-1
• ROG-2 ⁺	• COG-1 ⁺	• POG-1
• ROG2-24V	• COG-2	• POG-2
• ROG-3 ⁺	• COG-2 ⁺	
• ROG-3	• COG-3	
• ROG3-24V	• COG-4	
• ROG-4		

CERTIFICATION:



ROG2-24V

Portable Air Conditioner (24V-220-110V)



- Rated Power: 300W
- Cooling Capacity: 1300W/(4500BTU)
- Fuselage Size: 50x28x30CM/9.5KG
- Transport Box Size: 61x34x53CM/12KG
- Accessories List: Product, Remote Control, Drainage Pipe, Pipe Joint Adapter, Exhaust Pipe
- Function: Touch Control, Remote Control, WiFi Phone Control

- Comes with 24V 15AH Storage Battery (Optional)
Operating 1-2 hours with sotrage battery

ROG3-24V

Portable Air Conditioner (24V-220-110V)



- Rated Power: 300W
- Cooling Capacity: 1300W/(4500BTU)
- Fuselage Size: 50x28x30CM/9.5KG
- Transport Box Size: 61x34x53CM/12KG
- Accessories List: Product, Remote Control, Drainage Pipe, Pipe Joint Adapter, Exhaust Pipe
- Function: Touch Control, Remote Control, WiFi Phone Control

- Comes with 24V 15AH Storage Battery (Optional)
Operating 1-2 hours with sotrage battery

COG-3

Mobile small air conditioner



- Rated Power: 400W
- Cooling Capacity: 1300W/(4500BTU)
- Fuselage Size: 50x28x30CM/14KG
- Transport Box Size: 61x34x53CM/16KG
- Accessories List: Product, Remote Control, Drain-Pipe, Pipe Joint, ExhaustDuct
- Function: Touch Control, Remote Control, WiFi Phone Control

COG-4

Mobile small air conditioner



- Rated Power: 300W
- Cooling Capacity: 850W/(3000BTU)
- Fuselage Size: 28x23x46CM/11KG
- Transport Box Size: 55x35x47CM/13KG
- Accessories List: Product, Remote Control, Drain-Pipe, Pipe Joint, ExhaustDuct
- Function: Touch Control, Remote Control, WiFi Phone Control

ROG-4

Atmosphere light camping air conditioning



- Rated Power: 400W
- Cooling Capacity: 1500W/(5200BTU)
- Fuselage Size: 50x28x30CM/14KG
- Transport Box Size: 61x34x53CM/16KG
- Accessories List: Product, Remote Control, Drain-Pipe, Pipe Joint, ExhaustDuct
- Function: Touch Control, Remote Control, WiFi Phone Control

IOG-1

Mobile air conditioning for heating and cooling



- Rated Power: 400W
- Cooling Capacity: 1500W/(5200BTU)
- Fuselage Size: 30.3x54x34.5CM
- Transport Box Size: 31.8x79.8x38.5CM
- Accessories List: Air inlet+exhaust duct, hot/cold air side double pipe joint ,Air filter screen
- Function: Swinging wind+waterproof silicone button+LCD screen display +Remote control +smartphone control

POG-1

BOSE Mini Audio Air Conditioning



- Rated Power: 400W
- Cooling Capacity: 1500W/(5200BTU)
- Fuselage Size: 50x23x35CM
- Transport Box Size: 55x28x38CM
- Accessories List: Product, Remote Control, Drainage Pipe, Pipe Joint Adapter, Exhaust Pipe
- Function: Touch Control, Remote Control, WiFi Phone Control

POG-2

Split portable air conditioning



- Rated Power: 450W
- Cooling Capacity: 1800W/(6000BTU)
- Fuselage Size: 53x30x33CM/13KG
- Transport Box Size: 64x36x56CM/14KG
- Accessories List: Product, Remote Control, Drain-Pipe, Pipe Joint, ExhaustDuct
- Function: Touch Control, Remote Control, WiFi Phone Control

OUTDOOR CAR REFRIGERATOR





SOG-1

Outdoor Car Refrigerator



- Product Size: 608X365X372mm
- Package Size: 654X418X425mm
- Rated Voltage: DC12V/24V
- Power Input: 50W
- Refrigerant: R134a
- Temperature Range: -20°C/-10°C/-4°F -50°F
- Weight: 12Kg

COOLER BOX



PRODUCT RANGE

MODEL:

• COOLER BOX 8L	• COOLER BOX 38QT
• COOLER BOX 13L	• COOLER BOX 45L
• COOLER BOX 21L	• COOLER BOX 50L
• COOLER BOX 22L	• COOLER BOX 70L
• COOLER BOX 30L	• COOLER BOX 120L
• COOLER BOX 35L	



**COOLER BOX 8L**

Material: PE/PU/PP
 EST.SIZE(cm): 34x25.8x22.2
 INT.SIZE(cm): 28x19x16.5
 N.W(kg): 1.42kg
 G.W(kg): 2.25kg
 CARTON SIZE(cm): 35.6x27.6x26.5

**COOLER BOX 13L**

Material: PE/PU/PP
 EST.SIZE(cm): 34x26.8x31
 INT.SIZE(cm): 25.8x18.5x25.3
 N.W(kg): 1.9kg
 G.W(kg): 2.41kg
 CARTON SIZE(cm): 36x28.3x34

**COOLER BOX 21L**

Material: PE/PU/PP
 EST.SIZE(cm): 46x32x31
 INT.SIZE(cm): 36x25x23
 N.W(kg): 3.7kg
 G.W(kg): 4.3kg
 CARTON SIZE(cm): 47.5x36x34

**COOLER BOX 22L**

Material: PE/PU/PP
 EST.SIZE(cm): 45x31x37.8
 INT.SIZE(cm): 35.5x22x30.5
 N.W(kg): 3kg
 G.W(kg): 4.5kg
 CARTON SIZE(cm): 46.5x32.5x43

**COOLER BOX 30L**

Material: PE/PU/PP
 EST.SIZE(cm): 46x35.6x44
 INT.SIZE(cm): 36x21.5x33.5
 N.W(kg): 4.6kg
 G.W(kg): 6.2kg
 CARTON SIZE(cm): 51x41.5x52.5

**COOLER BOX 35L**

Material: PE/PU/PP
 EST.SIZE(cm): 55.5x33.5x33.5
 INT.SIZE(cm): 45x24.8x26
 N.W(kg): 4kg
 G.W(kg): 4.8kg
 CARTON SIZE(cm): 56x36.5x37.5

**COOLER BOX 38QT**

Material: PE/PU/PP
 EST.SIZE(cm): 46.5x40.5x46
 INT.SIZE(cm): 37x22.5x37.8
 N.W(kg): 5.5kg
 G.W(kg): 7.55kg
 CARTON SIZE(cm): 52x45x53.5

**COOLER BOX 45L**

Material: PE/PU/PP
 EST.SIZE(cm): 57.8x38x41
 INT.SIZE(cm): 44.5x29x34
 N.W(kg): 5.67kg
 G.W(kg): 7.9kg
 CARTON SIZE(cm): 63x44.5x49.5
 OPTIONAL: Wheelless Version

**COOLER BOX 50L**

Material: PE/PU/PP
 EST.SIZE(cm): 60.5x40x39
 INT.SIZE(cm): 52.3x30x31
 N.W(kg): 6kg
 G.W(kg): 7.1kg
 CARTON SIZE(cm): 64.5x44.6x42.5

**COOLER BOX 70L**

Material: PE/PU/PP
 EST.SIZE(cm): 74x44.2x42.8
 INT.SIZE(cm): 58x32.5x34.5
 N.W(kg): 8.2kg
 G.W(kg): 11.15kg
 CARTON SIZE(cm): 80.5x51.5x51.5
 OPTIONAL: Wheelless Version

**COOLER BOX 120L**

Material: PE/PU/PP
 EST.SIZE(cm): 94x55x50
 INT.SIZE(cm): 79.2x40x40
 N.W(kg): 10kg
 G.W(kg): 12kg
 CARTON SIZE(cm): 82x44x44

**SEMICONDUCTOR COOLER BOX 24L**

Power:DC 12V,AC 100V-240V
 Volume:24 Litre
 Power consumption: 48W±10%
 Cooling: Down to 10°C at 25°C ambient
 Heating: 50-65°C by thermostat
 Insulation:High density EPS
 Notes:Equipped with long life brushless motor (30,000 hours)

AIR WATER GENERATOR

•10L •35L •70L

Notes: Customizable high displacement water production, such as producing 168 liters and 240 liters or more per day.



● 10L



Rated water production capacity 10 liters/day (30 ° C/80% relative humidity)

Power supply unit	AC 220V-240V 50Hz
Compressor type	Piston type
Rated water production power	230W
Rated total power	245W
Refrigerat	R134a
Refrigerant filling amount	80g
Water temperature	12 to 16 °C
Emission flow rate	(Maximum) 12 liters/meter
Applicable environmental scope	Temperature: 5-32 °C Humidity: Relative humidity 35-90%
Air filtration system	Medium efficiency composite filter
Water purification system	PAC+UF+CB
Sterilization system	UVC
Water tank capacity	Collecting water tank: 3.8L Drinking water tank: 1.2L
Product size (without nozzle)	260 x 368 x 445mm
Packaging size	324 x 483 x 533mm
Weight	15KG

● 35L



Air Water Generator	
Rated Voltage	220V/50Hz
Water Production Power	430W
Maximum Power	2200W
Heating Power	1600W
Water Production Capacity	Temperature 30°C humidity 80%, 35 liters/day Temperature 27°C humidity 60%, 17 liters/day
Noise	≤65dB(A)
Product Size	484*310*657(mm)
Packaging Size	566*388*707(mm)
Machine Net Weight	25KG
Machine Gross Weight	35KG
Raw Water Tank	18L
Cold Water Tank	2.5L
Clean Water Tank	1.8L

● 70L



Air Water Generator

Model	NEI-K400
Rated Voltage	220V/50Hz
Water Production Power	800W
Maximum Power	2800W
Heating Power	2000W
Water Production Capacity	Temperature 30°C humidity 80%, 70 liters/day Temperature 27°C humidity 60%, 35 liters/day
Noise	≤65dB(A)
Product Size	430*370*1260(mm)
Packaging Size	512*448*1310(mm)
Machine Net Weight	55KG
Machine Gross Weight	65KG
Raw Water Tank	18L
Cold Water Tank	2.5L
Clean Water Tank	1.8L

SOLAR PUMP



PRODUCT RANGE

MODEL:

• 3 inch DC Solar Deep Well Pump (Impeller Type)
• 3 inch Stainless Steel Solar Screw Pump
• 4 inch DC Solar Deep Well Pump (Impeller Type)
• 3"4"DC Solar Well Pump with controller(plastic impeller)
• 3"4"DC Solar Well Pump with controller(plastic impeller)
• 3"4" AC&DC Submersible Solar Water Pump
• AC&DC Submersible Solar Water Pump
• AC/DC Hybrid Solar Controller Introduction
• 3" AC/DC Hybrid Solar Water Pump (Plastic Impeller)
• 4" AC/DC Hybrid Solar Water Pump (Plastic Impeller)
• 4" AC/DC Hybrid Solar Water Pump(SS Impeller)
• Solar Power Surface Centrifugal Pumps
• Solar Power JET Pumps
• Solar Power Bootser Pumps
• Solar Power Pool Pumps



● 3inch DC Solar Deep Well Pump(Impeller Type)

NO.	Model	Max Flow (m ³ /h)	Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Solar Panels	
				Voltage (V)	Power (W)			VOC range (V)	Power (W)
1	3FLD4-34-24-300	4	34	DC24	300	3	1.25	25-50V	450
2	3FLD4-51-48-400	4	51	DC48	400	3	1.25	50-100V	600
3	3FLD4-82-48-600	4	82	DC48	600	3	1.25	50-100V	900
4	3FLD4.8-95-72-750	4.8	95	DC72	750	3	1.25	75-150V	1125
5	3FLD4.8-114-72-1100	4.8	114	DC72	1100	3	1.25	75-150V	1650
6	3FLD4.8-114-110-1100	4.8	114	DC110	1100	3	1.25	100-200V	1650
7	3FLD4.8-136-110-1100	4.8	136	DC110	1500	3	1.25	100-200V	2250

● 3inch Stainless Steel Solar Screw Pump

NO.	Model	Max Flow (m ³ /h)	Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Pump Height (mm)	Solar Panels	
				Voltage (V)	Power (W)				VOC range (V)	Power (W)
8	3FLS1.0/30-D24/80(C)	1	30	DC24	80	3	0.75	420	25-50	≥150
9	3FLS1.3/50-D24/140(C)	1.3	50	DC24	140	3	0.75	420	25-50	≥200
10	3FLS1.8/80-D24/210(C)	1.8	80	DC24	210	3	0.75	420	25-50	≥300
11	3FLS1.8/100-D24/270(C)	1.8	100	DC24	270	3	0.75	420	25-50	≥500
12	3FLS1.8/120-D48/500(C)	1.8	120	DC48	500	3	0.75	420	50-100	≥800
13	3FLS2.3/140-D48/750(C)	2.3	140	DC48	750	3	0.75	420	50-100	≥1200
14	3FLS2.3/160-D72/1000(C)	2.3	160	DC72	1000	3	0.75	420	75-150	≥1500
15	3FLS2.3/180-D72/1200(C)	2.3	180	DC72	1200	3	0.75	420	75-150	≥1800

● 4inch DC Solar Deep Well Pump(Impeller Type)

NO.	Model	Max Flow (m ³ /h)	Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Solar Panels	
				Voltage (V)	Power (W)			VOC range (V)	Power (W)
16	4FLD4-50-48-550	4	50	DC48	550	4	1.25	50-100V	800
17	4FLD5.5-36-48-550	5.5	36	DC48	550	4	1.25	50-100V	800
18	4FLD7-30-48-550	7	30	DC48	550	4	1.25	50-100V	800
19	4FLD10-21-48-550	10	21	DC48	550	4	1.5	50-100V	800
20	4FLD4-80-48-750	4	80	DC48	750	4	1.25	50-100V	1000
21	4FLD5.5-54-48-750	5.5	54	DC48	750	4	1.25	50-100V	1000
22	4FLD7-40-48-750	7	40	DC48	750	4	1.25	50-100V	1000

SOLAR INTEGRATED STREET LIGHT





SPECIFICATION

LED light source	60W	90W	120W
Solar Panels	60W	90W	120W
Voltage	≤ 6V	≤ 6V	≤ 6V
Lithium Battery	192WH	288WH	384WH
Luminous Efficiency	150-160lm/W	150-160lm/W	150-160lm/W
Package Size	92x40x18CM	127x40x18CM	160x40x18CM
Lamp Material	Aluminium	Aluminium	Aluminium
Light Source Type	LED light source	LED light source	LED light source
Workmanship	Paint frosting	Paint frosting	Paint frosting
Warranty Period	3 years	3 years	3 years
Intelligent Control	yes	yes	yes
Control Type	Light Control+Time Control+Infrared Control		



Solar integrated lamp configuration



- Brand: NEI
- LED light source: 30W
- Solar Panel: 55W
- Voltage: ≤6V
- Lithium batteries: 160WH
- Lamp with light source: 70.5x48x19CM / 9KG
- Lamp shade material: Yes
- Lamp Material: ABS + Aluminum
- Lamp shade material: acrylic
- Light source type: LED light source
- Process: paint frosting
- Irradiation area: more than 100 m²
- Control type: light control+ time control+ human body induction
- Warranty period: 5 years
- Intelligent Control: Yes






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