New Generation Charger

NPB series

- Intelligent detection, ultra-wide charging voltage
- Built-in CANBus protocol for control, setting and monitoring (450W~1700W)
- Multiple intelligent protections (auto shutdown when abnormal): Short circuit, over voltage, over temperature, battery reverse polarity
- -30°C~+70°C wide operating temperature range
- Multiple standard output connectors for selection: Anderson, XLR mic head, TB (terminal block)
- Applicable for lead-acid and lithium-ion batteries
- Portable Carry Handle Kit (optional)
- Comply with ITE IEC/EN/UL62368-1 and household appliances EN60335-1/-2-29 dual certification
- 3-year warranty

Series	NPB-120	NPB-240	NPB-360	NPB-450	NPB-750	NPB-1200	NPB-1700
Output Wattage	120W	240W	360W	450W	750W	1200W	1700W
AC input voltage	90~264Vac						
DC output voltage	14.4Vdc, 28.8Vdc, 57.6Vdc, 72Vdc (450W only)						
Built-in Fan	X		✓	✓	✓	✓	✓
Built-in CANbus	X			✓	✓	✓	✓
Dimension (LxWxH)	180x96x49mm			205x135x55mm	230x158x67mm	250x158x67mm	300x184x67mm

New Generation Charger

NPP series

- Multi-function single unit battery charger or power supply
- Multiple intelligent protections (auto intelligent shutdown when abnormal): Short circuit, over voltage, over temperature, battery reverse polarity
- -30°C~+70°C ultra-wide operating temperature
- Standard output connector: TB (terminal block)
- Suitable for lead-acid battery
- Portable Carry Handle Kit (optional)
- 3-year warranty

Series	NPP-450	NPP-750	NPP-1200	NPP-1700
Output Wattage	450W	750W	1200W	1700W
AC input voltage	90~264Vac			
DC output voltage	14.4Vdc, 28.8Vdc, 57.6Vdc, 72Vdc (450W only)			
Built-in Fan	✓	✓	✓	✓
Dimension (LxWxH)	205x135x55mm	230x158x67mm	250x158x67mm	300x184x67mm

New Generation Inverter

NTS series

- High surge power up to 2 times instantaneous peak power output, THD <3%
- Multiple intelligent protections (automatic shutdown when abnormal):
  DC input: Reverse polarity, DC low alarm, DC low auto-shutdown, Over voltage
  AC output: Short circuit, Overload, Over temperature
- Remote control module-IRC1/ IRC2/ IRC3 (optional for NTS-750~3200)
- -25°C~+70°C wide range operating temperature
- Compliance with International safety approvals
- Suitable for lead-acid (Pb) or lithium (li-ion) batteries
- Internal PCB conformal coating, high reliability
- Portable Carry Handle Kit (optional)
- 3-year warranty

Series	NTS-250P	NTS-400P	NTS-300	NTS-450	NTS-750	NTS-1200	NTS-1700	NTS-2200	NTS-3200
Output Wattage	250W	400W	300W	450W	750W	1200W	1700W	2200W	3200W
AC input voltage	12Vdc model: 10 ~ 16.5Vdc, 24Vdc model: 20 ~ 33Vdc, 48Vdc model: 40 ~ 66Vdc								
DC output voltage	110Vac model: 100/110/115/120Vac, 230Vac model: 200/220/230/240Vac (selectable by DIP S.W.)								
Built-in Fan	X		✓	✓	✓	✓	✓	✓	✓
Dimension (LxWxH)	186x100.5x32mm		210x130x55mm		270x158x67mm	333x184x70mm	400x184x70mm	420x270x98mm	420x270x98mm

New Generation Inverter

NTU series

Built-in UPS function

- High surge power up to 2 times instantaneous peak power output, THD <3%
- Built-in UPS function (AC by-pass)
- Remote control module-IRC1/IRC2/IRC3
- -25°C~+70° wide range operating temperature
- Suitable for lead-acid (Pb) or lithium (li-ion) batteries
- Internal PCB conformal coating, high reliability
- Portable Carry Handle Kit (optional)
- 3-year warranty

Series	NTU-1200	NTU-1700	NTU-2200	NTU-3200
Output Wattage	1200W	1700W	2200W	3200W
AC input voltage	12Vdc model: 10 ~ 16.5Vdc, 24Vdc model: 20 ~ 33Vdc, 48Vdc model: 40 ~ 66Vdc			
DC output voltage	110Vac model: 100/110/115/120Vac, 230Vac model: 200/220/230/240Vac (selectable by DIP S.W.)			
AC by-pass (UPS)	10ms;Inverter ⇌ AC by-pass			
Built-in Fan	✓	✓	✓	✓
Dimension (LxWxH)	333x184x70mm	400x184x70mm	420x270x98mm	420x270x98mm

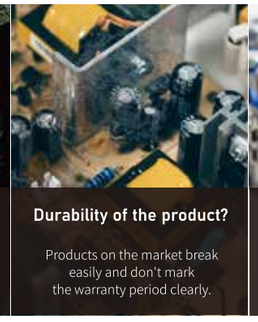
June 2022





Actual power same as what label show?

Products on the market often fake information about actual power which prevents the charger from powering-on smoothly.



Durability of the product?

Products on the market break easily and don't mark the warranty period clearly.



Suitable for which type of battery?

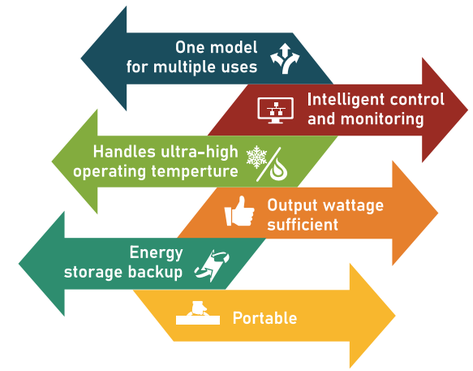
Products on the market aren't suitable for both lead-acid(Pb) and lithium-ion (Li-ion) batteries.

Are you still suffering from a power supply you bought misrepresenting the actual working power which prevents the charger from powering-on smoothly? or caus overtemperature protection to be triggered too easily? or frequent replacements due to the low durability of the product increase maintenance costs? Purchasing products on the market which aren't compatible with both ead-acid(Pb) and li-ion batteries require you to buy multiple power supplies, resulting in unnecessarily higher costs.

MEAN WELL has launched a new generation of industrial-grade of chargers and inverters with reliability, and durability- the NPB, NPP, NTS & NTU series. These series have the following 3+3 features highlighted below, providing solutions suitable for household, commercial, medical, car, boat, security, firefighting, renewable energy and various types of industrial applications.

Choosing MEAN WELL
Intelligent products can bring you

6 benefits



Please contact us for product information, quotations and technical support:

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New generation of industrial grade charger

Top 3 highlights of NPB/NPP series

ECO · Household · Car Use · Marine · AGV · Camping · Network · Telecom · Security

Video

New generation of industial grade inverter

Top 3 highlights of NTS/NTU series

Video

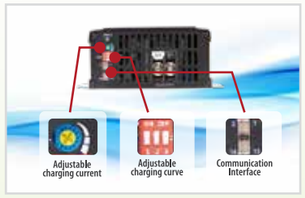
ECO · Household · Car Use · Marine · AGV · Camping · Network · Telecom · Security





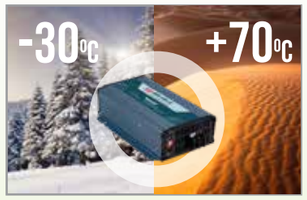
Wide range of voltage compatibility, multi-purpose model

- **Ultra-wide range charging voltage, one model will be sufficient**
  Taking NPB-450-48 as an example, the wide range output voltage is 42~80V, only one charger needed for 48V, 57.6V and 67.2V batteries.
- **2-in-1 charger: flexibly switch between charger and power supply**
  NPP series can be switched between charger mode and power supply mode.



Intelligent monitoring, safety is guaranteed

- **Patent registered, intelligent voltage detection and charging**
  NPB-450~1700 series can be charged on the spot.
- **Simple interface, remote monitoring**
  NPB-450~1700 series can set charging parameters wirelessly NFC induction through mobile phones (optional); built-in CANBus Protocol Interface.
- **Dual certification, multinational certification**
  Approved by 62368-1+60335-1/-2-29 Dual certification by multiple countries, safety is guaranteed.



-30ºC~70ºC ultra-high temperature range endurance

- **Industrial grade ultra-wide working temperature range** suitable for any enviroment including extremely cold or hot weather.
- **Few restrictions on installation location**
  Won't stop operating even in narrow and easily-heated space.



Output wattage sufficient, product safe and durable

- **Made by well-known brand**
  MEAN WELL doesn't fake what is shown on the label. Components carefully selected, full output wattage, notch quality.
- **Multiple intelligent protections**
  Built-in multiple DC input and AC output automatic protections.



Low energy consumption, energy storage backup

- **Super-low energy consumption for stand-by mode**
  Standby consumption in ECO mode is only 1.2W (Old generation TS series up to 18W).
- **Multi-faceted and energy storage**
  Charged by AC (NPB/NPP series optional) or solar charging (MPPT charger and solar panel required separately).
- **Power outage backup**
  The power grid can be backed up immediately (battery is required), the equipment will not be powered off, and there will be no trouble with electricity.



Flexible and portable, wide range of uses

- **Small size and portable**
  The new generation NTS/NTU series is 3%~37% smaller than the old generation TS series (depending on the model).
- **Suitable for indoor/outdoor use**
  Household, commercial, medical institutions, transportation and various industrial applications,. such as lighting-driver, household appliances, hand-held tools, rescue equipment, security control and fire protection and various industrial equipment.



Offshore wind farm



Mobile robot



Unmanned van



Home energy storage system



Yacht

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