

All models KC / FCC / CE certification in progress.

2KW	3KW	On demand
PNK200012FD	PNK300012FD	PNK200048FD
PNK200024FD	PNK300024FD	PNK300048FD
PNK200012FDEU	PNK300012FDEU	PNK200048FDEU
PNK200024FDEU	PNK300024FDEU	PNK300048FDEU
PNK200012FDE	PNK300012FDE	PNK200048FDE
PNK200024FDE	PNK300024FDE	PNK300048FDE

Pure sine wave DC to AC inverter



- Installed on front
- Real time monitoring
- Highly mature smart inverter

◎ Specification

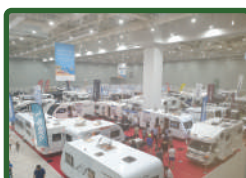
Input voltage	DC12 / DC24V / DC48V	Output voltage	200Vac~240Vac / 100Vac~125Vac / 50Hz or 60Hz selection
Surge rating	4KW(2KW) / 6KW(3KW)	Efficiency	91% ± 2%
Operating temperature	-40°C ~ 74°C ± 5°C	Dimension	2KW : 225mm x 85mm x 440mm / 3KW : 225mm x 85mm x 510mm (8.86" x 3.34" x 17.33") (8.86" x 3.34" x 20.07")

◎ Basic function (automatic)

1. Input (DC) protection	① Input low voltage ② Input high voltage ③ Input over current
2. Output (AC) Protection	① Overload ② Over voltage ③ Low voltage ④ Surge
3. Auxiliary function	① Remote control switch connector, DC5V (USB) ② Output frequency select switch (50/60Hz) ③ Output reset / on switch ④ Input low voltage (lead battery, lithium battery) selector switch
4. Return function	① Input low voltage ② Input high voltage ③ Overload ④ Over temperature
5. Automatic circuit function	① Output (AC) control by input (DC) voltage ② Error display (red lamp, display) when malfunction occurs operation. ③ Real-time display function ④ Automatic(fan) operation.

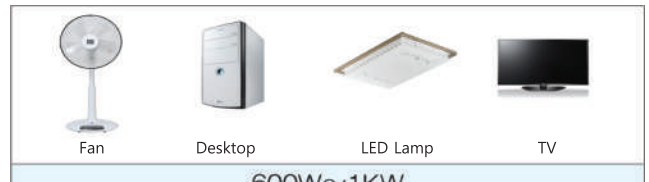
◎ Application

Solar Panel, Ambulance, Fire Truck, Military Vehicle, caravan, Ship and Others



◎ Equipment

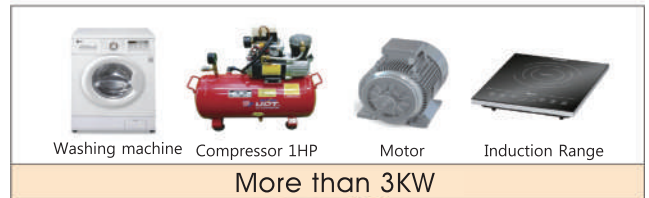
Electrical and electronic products



600W~1KW



1.5KW~2KW



More than 3KW

P&K A company that values relationships after selling!

Tel : +82-32-830-7666 Web site : www.pnkhightech.co.kr e-mail : pnk@pnkhightech.co.kr

LED Function Display Operation

LED function display meter displays information in each mode sequentially.



Pause : ① Press the play button to stop in the current mode. ② When stationary, press the button to play.
 ③ Press and hold for longer than 2 seconds to change from Celsius to Fahrenheit.

Error number	Contents	Problem	Action
	Over / Low set voltage range.	Battery	Check battery condition (life, capacity). charge if necessary.
		Input system	Check DC input wiring thickness. If input wiring is connected to the inverter loosely, tighten it with a tool.
		Charging system	Over charge check of external charging system (PV, Charger, Generator).
	Temperature excess	Inverter Over temperature	* If the installation location is an enclosed space, change the installation location. * Check the power consumption of electrical appliances. Check the inverter capacity.
		Output short	Check for failure of electrical appliances.

Product Features.

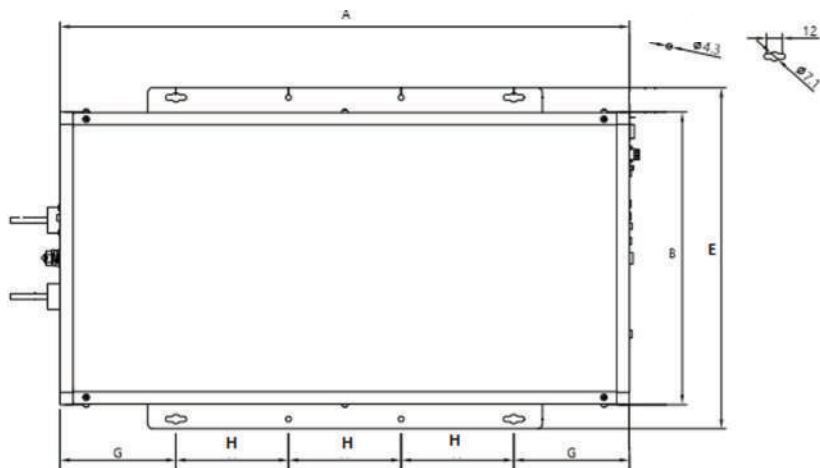
This is a DC to AC inverter designed with original technology (patented) that uses electrical and electronic products or equipment with 200Vac ~ 240Vac or 100Vac ~ 127Vac voltage using input voltage of battery DC12V / DC24 / DC48V.

- Function :**
- * Input/Output automatic control program by sensor program
 - * Automatic control protection by program
 - * Heat resistant environmental control corresponding to power (input and output) change.
 - * Patent for device components, exterior design patent
 - * Utility model of component connection structure.

Battery Ammeter and charging System

A superior charging system extends battery life, while a poor charger reduce battery life. When charging during discharge of 10.5V~11.0V based on DC12V load acid battery, the battery life time is extended for a longer time than when discharged under the selected battery voltage.

Dimension



	PNK200012FD	PNK200024FD	PNK300012FD	PNK300024FD
A	440.0 (17.33")		510.0(20.07")	
B		226.0(8.89")		
C		84.4(3.32")		
D	478.0(18.82")		548.0(21.57")	
E		263.2(10.36")		
F		89.5(3.52")		
G	89.5(3.52")		124.5(4.90")	
H		87.0(3.42")		

Warranty

- * This product is compensated according to the Compensation criteria for consumer's damage
- * This product is manufactured based on a strict quality control and inspection process.
- Any trouble arising from the normal use be repaired free of charge during the warranty period at our A/S center, agencies or other service centers.
- * The A/S service is delivered to the head-quarters A/S center in the form of direct visit, courier or cargo.
- * **The warranty period is 2 year from the date of delivery.**
- * In the following cases, even within the warranty period, the service fee may be charged.
 - Any breakdown which occurs due to remodeling, mishandling failure, fire or flood damage.
 - When there is no presentation of warranty.
- * The warranty period of repair parts for this product is 5 years from the date of manufacture.