



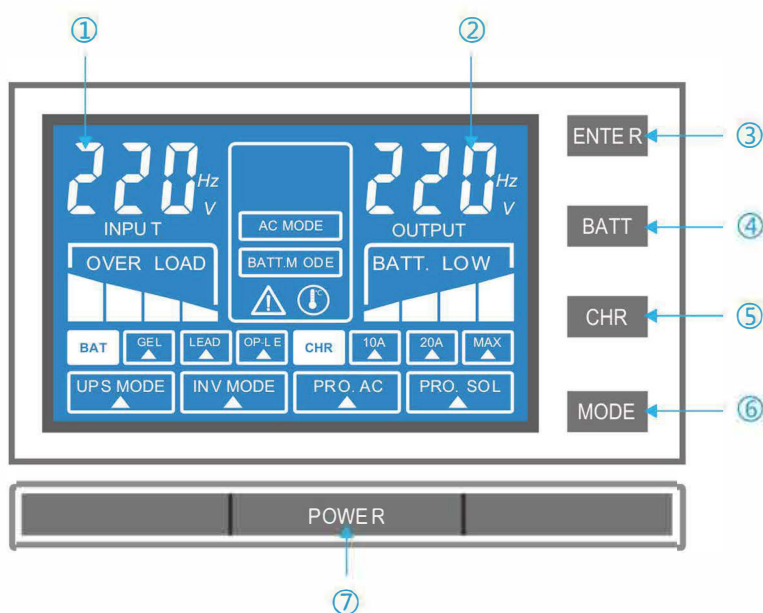
Home Power Inverter With Charger

AKHPI Lite Series

PURE SINE WAVE INVERTER



PRODUCT INTRODUCTION



- ① Input voltage
- ② Output voltage
- ③ Confirm button
- ④ Battery type selection
- ⑤ Charging current selection
- ⑥ Mode selection
- ⑦ ON/OFF switch

1. Press **BATT** to select the GEL/LEAD/OP-LE battery and press ENTER to confirm.
2. Press **CHR** to select 10A/20A/MAX AC charge current and press ENTER to confirm.
3. Press **MODE** to select INV MODE 100Vac–290Vac or UPS MODE 145Vac–275Vac and press ENTER to confirm.

FEATURE

1

Pure sine wave inverter
4-step AVR
Cold start function

2

Selectable INV MODE
100Vac–290Vac or UPS
MODE 145Vac–275Vac
for home appliances and
personal computers

3

Selectable high power
charging current of 10A
/20A /Max. (Optional)

4

Selectable battery types
of gel, lead–acid and
open lead–acid battery

5

Compatible to mains
voltage or generator
output

6

Auto restart while AC
is recovering
Overload and short
circuit protections

7

Smart battery charger
design for optimized
battery performance

SPECIFICATIONS

Model	AKHPI Lite-	500W-12VDC	640W-12VDC	800W-12VDC	1000W-12VDC
Capacity		500W	640W	800W	1000W
Power factor		0.8			
Input					
Voltage range (INV. mode)		100–290VAC ± 5VAC			
Voltage range (UPS mode)		145–275VAC ± 5VAC			
Input frequency		45–65Hz			
Output					
Voltage range (INV. mode)		150–255VAC ± 5VAC			
Voltage range (UPS mode)		203–238VAC ± 5VAC			
Frequency		50 ± 0.1Hz (Batt. mode)			
Wave form		Pure sine wave (Batt. mode)			
Transfer time		< 10ms			
Battery (12V/24V)		12VDC (Optional 24Vdc)			
Charging current (AC)		10A/20A/Max.			
Type of battery (optional)		GEL / Sealed lead-acid / Open lead-acid			
Physical					
Net weight (kg)		7.6	9.8	10.8	12.2
Unit dimension (mm)		290 * 255 * 120			
Environment					
Operating environment		Temperature 0°C~40°C, Humidity 20%~90%			
Noise level		≤40dB(1m)			

Product specifications are subject to change without notice.