

SQUARE WAVE HOME IPS

900VA- 2000VA

The Modified Square Wave IPS is a DC-to-AC IPS with auto line-to-battery transfer and integrated charging system, serving as an extended-run UPS, is a standalone power source or a home IPS as well. It supplies power from AC power and DC source. When AC cable is connected to a wall outlet, utility power goes to connected equipment and/or charges the batteries via the charging system.

Features

- Rugged technology design for performance and longer backup time.
- Battery charging commences event at low Mains AC
- Higher load handling capacity.
- Supports a wide range of batteries and different types of battery selection
- Adaptive charging control technology ensures faster battery charging and Enhances the battery life up to 70%.

Specification

Model	AHI-900-12	AHI-1500-24	AHI-2000-24
Capacity	900VA	1500VA	2000VA
INPUT			
Rated voltage	230V AC (Nominal)		
Modes available	ECO & UPS Mode		
Frequency range	50 Hz ± 10%		
OUTPUT			
Output voltage	230V AC ± 10%		
Output frequency	50Hz ± 1%		
Output waveform	Mains mode: synchronized with utility power, Battery mode: Modified Square Wave		
BATTERIES			
Rated voltage	12 Vdc	24 Vdc	
Battery type	Lead-Acid Flat plate /Tubular		
Charging current (Max.)	12 ± 1 A	13 ± 1A	
Equalizing charge voltage	Available		
Floating charge voltage	13.5 ± 0.5 V DC per battery		
Low voltage alarm	Available		
Overvoltage protection	Available		
SYSTEM			
Protections	Short circuit, over-temperature, Battery deep discharging		
Overload times (Mains mode)	Protected		
Overload times (Battery mode)	Protected		
Panel display	LED		
OTHERS			
Operating temperature	0 - 45°C		
Operating humidity	0 ~ 95% (no-condensing)		
Altitude	≤ 1000 m (Above 1000 m, derating will be applicable)		
IP rating	IP20		
Cooling	Forced-air cooling		
Noise	< 45 dB		
Dimensions (Lx H x D) (mm)	300 x 130 x 275	300 x 145 x 280	300 x 155 x 280
Gross weight (kg)	11KG	14KG	17KG

Note: “Selectable" can be customized according to customer requirements.