



SINEWAVE
HI-END inverter
SERIES

with
Intelli Pure
SINEWAVE
Technology

IGBT Based

for Hi-end Applications, which require High Starting Current...



SALIENT FEATURES (HI-END Series - Intelli Pure Sinewave Inverters)

Micro Processor based PWM Technology using **Hi-Grade IGBTs**. LCD Display for visual status of Important Parameters.

Best Suited for most High Capacity Sophisticated Appliances. Advanced Battery Management (**ABM**) for Longer Battery Life and Quick Charging.

Inbuilt TDR for compressor based applications, e.g. Air-conditioners.

Generator Compatible.

WIDE APPLICATIONS:

Multiple AC (1.5 Tonne or above), Petrol Pump Nozzles, Shopping Malls, Restaurants, Small Offices, Nursing Homes, LCD TV, Fridge, Cooler & Office High End Applications etc...

MODELS

- 5.5KVA 96V**
- 8KVA 144V**
- 10KVA 192V**



TECHNICAL SPECIFICATIONS (INTELLI PURE SINEWAVE MODELS)

MODEL	SW 5.5KVA	SW 8.0KVA	SW 10.0KVA
Nominal Battery Voltage	96V DC	144V DC	192V DC
Output Power / Surge Rating	5500VA / 16500VA	8000VA / 24000VA	10000VA / 30000VA
Output Voltage / Frequency	220V / 50 ± 1Hz	230V / 50 ± 1Hz	230V / 50 ± 1Hz
Peak Efficiency	>82%	>88%	>88%
Nominal Battery Voltage	96V	144V	192V
DC Input Voltage Range	80V±1V to 114±1V	120V±1V to 173±1V	160V±1V to 233±1V
Low Battery Cutout	80V±1V	120V±1V	160V±1V
Total Harmonic Distortion (Resistive Load)	Less than 3%		
Overload Handling Capability	105% for 1 minute + 125% for 5 Seconds with 4 times Auto-Reset		
Separate Output with TDR	3~5 minutes TDR		
Charger Control (ABM) / Charging Current	Advanced Battery Management / 10.0A (settable ±5.0A)		
AC Input Voltage Range / Power Factor	110V~295V / 0.85 to unity		
Max. Battery Boost / Float Level	114V±1V / 107V±1V	177V±1V / 160V±1V	235V±1V / 213V±1V
ELECT. SPECS.	PROTECTIONS: Low Battery Voltage, Battery Overcharge, Overload, Over Temperature, Short Circuit		
	ENVIRONMENTAL PARAMETERS: Operating Temperature: 0~45°C / Acoustic Noise at 1Mtr.: <45dB Relative Humidity: Max. 95% non-condensing Thermal Management: Integrated Cooling (Fan & Heat Sink)		
	DIMENSIONS (WxHxD) in mm	600 x 627 x 345	600 x 627 x 345
NETT. WEIGHT	73.32Kg.	83.70Kg.	95.00Kg.

INVERTER

CHARGER

ELECT. SPECS.