



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
INVERTER	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	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	600 x 627 x 345
	NETT. WEIGHT	73.32Kg.	83.70Kg.	95.00Kg.

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