

Powernet Static Offline UPS

4KVA to 20KVA



Powernet Solutions Pvt Ltd is a professionally managed company engaged in design and manufacturing of power products.

For the quality, we have accomplished the accreditation of Quality Management system ISO 9001:2008 and have been relayed upon by OEM's, Project consultants, IT companies, Research Institutions, Government bodies, industrial and Computer sectors.

Static, **Hi-End DSP** Based sine wave UPS ranging from 4 KVA to 20 KVA is specially designed and manufactured for Dental Chairs, Medical Equipments and Similar Use.

Salient Features

- ❖ Pure Sine Wave output with very Low THD
- ❖ High end DSP Based Controller
- ❖ Thermal Management Algorithm (TMA)
- ❖ Short circuit protection with auto Restart
- ❖ Silent Operation
- ❖ High Surge Load capability
- ❖ Five Stage Fuzzy Logic Charger to enhance the life of Battery



STATIC SINEWAVE OFFLINE UPS

Technical Specifications

Capacity	4/5KVA	5/7.5KVA	7.5KVA	10KVA	15KVA	20KVA
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INPUT

Voltage Range	Normal Mode : 125-290VAC / UPS Mode : 175-265VAC
Phase	Single Phase (Line + Neutral + Earth)
Frequency Range	47 - 53 Hz

OUTPUT

Voltage - Utility Mode	Normal Mode : 125-290VAC / UPS Mode : 175-265VAC
Phase	Single Phase (Line + Neutral + Earth)
Voltage at Battery Mode	220V AC \pm 2%
Frequency at Utility Mode	Same as Input
Frequency at Battery Mode	50 Hz \pm 1%
Output Wave Form	Pure Sine-Wave
Transfer Time	Normal Mode : \leq 12 millie sec & UPS Mode : $<$ 5 millie sec
Total Harmonic Distortion	\leq 5% for Linear Load & \leq 8% for Non-Linear Load
Power Factor	0.8 Lagging
Crest Factor	1:3
Efficiency	85 to 93% depending on capacity

DC CHARACTERISTICS

Type	Tubular / SMF Batteries					
Nominal Float Voltage	48V	72V	96V	144V	192V	240V
Charging Current	8 AMPS					
Recharge Time	6-7 Hours for 90% Recovery / 6-10 Hours for 100% Recovery					

PROTECTIONS

In Built Protections	Input High / Low Voltage, Battery Low Trip, Short Circuit Trip, Battery Over Voltage Cut-Off, High Temperature Cut-Off, Lightning / Surge Protection, Input / Battery MCB
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DISPLAY

LCD Display Informations	AC Input / Output Voltage, Charging Current, Battery Voltage, Output Load in Watts, Over Load, Battery Low, UPS On / Off
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ENVIRONMENTAL

Operating Temperature	0 to 40 °C / 32 to 104 °F
Humidity	95% RH Maximum, Non-Condensing
Max. Operating Altitude	7500Ft, 2285 M
Acoustic Noise	$<$ 60 db

Due to continuous development in technology & design, the specifications may change without notice.

Custom made systems are manufactured on request.



Powernet Solutions (P) Ltd.

Works: #7 & 8, Jalaram Industrial Estate, Arekere, Bannerghatta Main Road, Bangalore - 560 076.
 Tele : 080 2648 7741 / 7761
 works@powernetups.com