SMARTEN®
FUSION IS THE FUTURE

NOVA

PURE SINE WAVE HOME UPS

550VA TO 10KVA



Key Features

- **PURE SINE WAVE OUTPUT**
- **ADVANCED DSP CONTROL** (DSP)
- **WIDE INPUT VOLTAGE RANGE** (90V)
- **WIDE BATTERY COMPATIBILITY**

The NOVA Series is a premium range of Pure Sine Wave Home UPS systems, available from 550VA to 10KVA, designed to provide reliable backup power for homes and small businesses. NOVA incorporates advanced control technology, intelligent charging and wide input-voltage operation for dependable performance across a range of power conditions.

Built for demanding applications, NOVA supports a wide range of loads with protection against overload, short circuit, backfeed, over-temperature, reverse battery and deep discharge. Its wide-voltage WUPS mode supports operation at low mains voltage, while the independent battery charger and broad battery compatibility provide flexible backup configurations.

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SMARTEN POWER SYSTEMS LIMITED

NOVA PURE SINE WAVE HOME UPS
550VA TO 10KVA

TECHNICAL SPECIFICATIONS

MODEL NAME	550VA	700VA	1050VA	1250VA	1500VA	1700VA	2200VA	2.5KVA	3.2KVA	3.5KVA	5.5KVA	5.5KVA	6KVA	7.5KVA	10KVA
MAINS MODE															
Mains AC Input Voltage Range (UPS Mode)	185VAC to 255VAC ± 10VAC														
Mains AC Low Cut/High Cut Voltage (UPS Mode)	175VAC/265VAC ± 10VAC														
Mains AC Low Cut/-High Cut Recovery Voltage (UPS Mode)	185VAC/255VAC±10VAC														
Mains AC Input Voltage Range (WUPS Mode)	110VAC to 285VAC ± 10VAC														
Mains AC Low Cut/High Cut Voltage (WUPS Mode)	90VAC/295VAC ± 10VAC														
Mains AC Low Cut/-High Cut Recovery Voltage (WUPS Mode)	110VAC/285VAC ± 10VAC														
Input Frequency Range	40Hz to 60Hz														
BATTERY															
Battery Type	LA/TUB/ SMF	LA/TUBULAR/SMF/LI-ION													
DC I/P Voltage (Battery AH : 100AH to 260AH)	12V				24V					48V	48V	96V	72V	96V	120V
Battery Deep Discharge Recovery	Yes (Independent Charger to recover Deep Discharge Battery)														
Charging Current Setting (I/P Voltage 135-295VAC)	15/20A+/- 3A	20A/25A +/- 3A			25A/ 30A+/-3A	20A/25A +/- 3A			25A/ 30A+/-3A	20A/30A+/-3A					
BACKUP MODE															
Output Voltage/ Frequency	220VAC+/-10% , 50Hz+/-0.2Hz														
Output Waveform	Pure Sine Wave ≤ 5% THD														
Low Battery Warning	10.8V+/-0.2V Per Battery														
Low Battery Cut	10.4V+/-0.2V Per Battery														
Change Over Time UPS Mode	<10ms														
Change Over Time WUPS Mode	<25ms														
PROTECTIONS															
Overload In Backup Mode	Yes provided , System will give Overload Indication at 101% Load.														
Short Circuit In Backup Mode	System will shutdown after 3 retries in case of Output Short Circuit.														
Short Circuit In Mains Mode	Mains Fuse will be blown					Mains MCB will trip									
Backfeed	System will shutdown & there will be no retry														
Over Temperature	Yes provided, if heat sink temp. goes above 100 degree C. System will shut down.														
Reverse Battery	DC Fuse will be blown									DC MCB will trip					
DISPLAYS & ALARMS															
LCD Status Display	Mains ON, Input Voltage/ Frequency , Battery Voltage/ Charging/ Charged , Battery Charging Current , Backup Mode , UPS ON/ OFF , Load % , Output Voltage/ Frequency, Mains Low Cut/ High Cut ,Mains Not Available Etc.														
Buzzer	Audible Beep for Overload, Short Ckt, Backfeed, Low Battery, Mains Fuse Blown/ Mains MCB Trip , Over Temp.														
WEIGHT & DIMENSIONS															
Dimensions (in mm)	301*297 *160	355*355*195			425*315*335				415*320* 415	350*230 *310	530*360*585			575*415*640	
Weight (Kgs)	7.5	9	10	10.5	16.8	16.9	18.5	21.4	22.4	25.2	49.9	53	56	73	78

MAKE IN INDIA

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