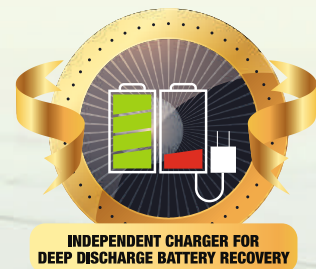


NEVER FEEL POWERLESS

PURE SINE WAVE HOME UPS
3500/24V

SMART PRO

PURE SINE WAVE UPS SERIES



15 Ampere
Current For Faster
Battery Charging



Battery Charge
at very low
Voltage till 70V.*



Complete Protection
From Back Feed And
Phase To Phase
Supply.



User friendly
Interface.

PRODUCT SPECIFICATIONS

MODEL NAME	3500VA
MAINS MODE	
Mains AC Input range (UPS mode)	175VAC-265VAC $\pm$ 10 V
Mains AC low cut recovery UPS mode	185VAC $\pm$ 10VAC
Mains AC high cut recovery UPS mode	255VAC $\pm$ 10VAC
Mains AC Input range (WUPS mode)	90VAC-285VAC $\pm$ 10V
Mains AC low cut recovery WUPS mode	110VAC $\pm$ 10VAC
Mains AC high cut recovery WUPS mode	285VAC $\pm$ 10VAC
Input Frequency Range	40Hz to 60Hz
Voltage Output in Mains Mode	Same as input
Frequency Output in Mains Mode	Same as input
Battery	
DC input voltage	24V
Battery Qty. 12V 100Ah to 220 Ah	2
Bulk absorption Voltage	59.2V $\pm$ 0.4V
Float charging voltage	54.8V $\pm$ 0.4V
Boost charging voltage for LA Battery	56.0V $\pm$ 0.4V
Boost charging voltage for Tubular/SMF Battery	58.0V $\pm$ 0.4V
Battery deep Discharge Recovery	Yes (Independent Charger to Recover Deep Discharge Battery)
Charging Current 100Ah-135Ah Setting (I/P range 135VAC to 295VAC)	20A - 25A
Charging Current 150Ah-220Ah Setting (I/P range 135VAC to 295VAC)	20A - 25A
Backup Mode	
Output voltage / Frequency	220VAC + 5% -10% (until battery low alarm)
Output Frequency	50Hz $\pm$ 0.2 Hz
Output waveform	Pure Sine Wave $\leq$ 5% THD
No Load current	$\leq$ 4% of rated capacity
Capacity	3500VA
Discharging current @ full load	60A $\pm$ 2A
Low Battery Warning	32.4V $\pm$ 0.2V
Low Battery Cut	31.8V $\pm$ 0.2V
Change over time UPS mode	< 4msec
Change over time WUPS mode	< 25 msec
Protections	
Overload in backup mode	Yes provided, system will give 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 MCB will trip
Back feed	System will shutdown in case of back feed and there is no retry
Over temperature	Yes provided, if heat sink temperature goes above 100°C System will shut down
Reverse Battery	Battery MCB will trip
Display and Alarms	
LED Status Display	Mains ON, Input Voltage, Input Frequency, Battery Voltage, Battery Charging, Battery Charged, Charging Current, Backup Mode, UPS ON, UPS OFF, Battery Voltage, Load %, Output Voltage, Output Frequency, Mains Low Cut, Mains High Cut, Mains Not Available, Mains Frequency Cut
Buzzer	Audible beep for Overload, Short Circuit, Back feed, Low Battery, Over Temperature, Mains Fuse blown / MCB Trip
Weight and Dimensions	
Dimensions in mm	530x360x585
Weight	26.3kg