



**PRIME SERIES  
SUPREME SERIES**

***High Performance  
Online UPS***

# KEY FEATURES

- ☉ Pure Sine Wave Output
- ☉ Bypass Facility
- ☉ User Configurable Parameter
- ☉ SCR/IGBT(PFC) Based Charger
- ☉ Inverter Isolation Transformer

## TECHNICAL SPECIFICATIONS

PRODUCT DETAILS							
Product Name	ONLINE UPS						
Models	PRIME SS (for PFC) & SUPREME SS (for SCR)						
Ratings	2 KVA	3 KVA	5 KVA	7.5 KVA	10 KVA	12.5 KVA	15 KVA
Operating DC Voltage (for PFC)	72V - 180V	96V - 180V	120V - 180V	168V - 180V	180V - 192V	192V	192V
No. of Batteries (for PFC)	6 - 15	8 - 15	10 - 15	14 - 15	15 - 16	16	16
Operating DC Voltage (for SCR)	120V - 192V	120V - 180V	120V - 180V	180V - 192V	120V - 192V	192V	16
No. of Batteries (for SCR)	10 - 16	10 - 16	10 - 16	15 - 16	15 - 16	16	16
MAINS MODE							
No of Phase	1 Phase - 3 Wire P, N, E						
Voltage Range	160V - 280V AC						
Input Power Factor	0.9						
Input THD	Less than 3 %						
Frequency Range (for PFC)	40 - 60 Hz						
Frequency Range (for SCR)	47 - 53 Hz						
INVERTER MODE							
Switching Power Device	IGBT MODULES						
Control	PWM						
Output voltage	230V AC +/- 1%						
Phase	1 Phase - 3 wire P, N, E						
Output Waveform	Pure Sine Wave						
Frequency	50 Hz (Free running)						
Changeover Time	Zero second						
Rated Output Power Factor	0.8						
Load Capacity	100 % Continuous						
Overload	110 % for 20 Second, 150% Instant trip						
THD	Less than 2% On linear load and Less than 5% on non linear load						
Transient Response	On 100% step load change output stays within 5% and recovers within half cycle						
Crest Factor	3 : 1						
Switch	UPS START, STOP/RESET						
LCD Display Parameters	Input Voltage, Output Voltage, Output Frequency, Output Current, Battery Voltage, Charging Current						
LED Indication	Mains ON , Charging ON, UPS ON , Low Battery, Overload.						
Alarm	Battery Low, Overload, Charger ON.						
Protection	Overload, Short Circuit, O/V, Mains Surge, U/V and O/V Protection						
Bypass	Manual Bypass, Static Bypass (Optional)						
Operating Temp	0 - 50°C						
Operating Humidity (RH Value)	Less than 95						
Protection Class	IP 20						
Low Cut Off	10.5V/Batt. +/- 2%						
Battery Low Buzzer	10.75V/ Batt. +/- 2%						
Low Cut off Recovery	12V/ Batt. +/- 2%						
Charging Current	10 % of Battery AH						
Communication	RS485 (Optional)						
Dimensions (In mm)	For PFC (W x D x H)	2 KVA & 3 KVA: 270 x 490 x 500		7.5 KVA & 10 KVA: 290 x 615 x 610		12.5 KVA & 15 KVA: 370 x 725 x 790	
	For SCR (W x D x H)	2 KVA, 3 KVA, 5 KVA, 7.5 KVA & 10 KVA: 290 x 615 x 610 12.5 KVA: 370 x 725 x 790					

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