



Your Power, Our Priority

HIGH PERFORMANCE
ONLINE UPS

Prime Series
Supreme Series



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 TS (for PFC) & SUPREME TS (for SCR)						
Ratings	5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA
Operating DC Voltage (for PFC)	240V - 360V	240V - 360V	240V - 360V	240V - 360V	—	—	—
No. of Batteries (for PFC)	20 - 30	20 - 30	20 - 30	20 - 30	—	—	—
Operating DC Voltage (for SCR)	324V - 360V	324V - 360V	360V	360V	324V - 360V	324V - 360V	360V
No. of Batteries (for SCR)	27 - 30	27 - 30	30	30	27 - 30	27 - 30	30

MAINS MODE

No of Phase	3 Phase - 4 Wire R, Y, B, N
Voltage Range	340V - 480V AC
Input Power Factor (for PFC)	0.9
Input Power Factor (for SCR)	0.8
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	DSP Based 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)	5 KVA, 10 KVA & 15 KVA: 370 x 725 x 790 20 KVA: 470 x 810 x 900	
	For SCR (W x D x H)	5 KVA, 10 KVA & 15 KVA: 370 x 725 x 790 20 KVA, 25 KVA & 30 KVA: 470 x 810 x 900	40 KVA: 470 x 1090 x 900



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