

PT POWERTEK ELECTRONICS
THE POWER OF A NEW BHARAT

POWERING
NATION
SINCE
2000

Highly **Reliable**
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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