

POWERING
INDIA
SINCE
2000



PT **POWERTEK ELECTRONICS**
THE POWER OF A NEW BHARAT



SUPREME SERIES

*High Performance
Online UPS*

KEY FEATURES

- ☉ Pure Sine Wave Output
- ☉ Bypass Facility
- ☉ User Configurable Parameter
- ☉ SCR Based Charger
- ☉ Inverter Isolation Transformer

TECHNICAL SPECIFICATIONS

PRODUCT DETAILS

Product Name	ONLINE UPS										
Models	SUPREME TT										
Ratings	5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA
Operating DC Voltage	324V - 384V					360V - 384V					
No. of Batteries	27 - 32					30 - 32					

MAINS MODE

No of Phase	3 Phase - 4 Wire R, Y, B, N										
Voltage Range	340V - 480V AC										
Input Power Factor	0.8										
Input THD	Less than 3 %										
Frequency Range	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) (W x D x H)	5 KVA, 10 KVA & 15 KVA: 370 x 725 x 790										
	20 KVA: 470 x 810 x 900										
	25 KVA, 30 KVA & 40 KVA: 470 x 1090 x 900										
	50 KVA, 60 KVA, 80 KVA & 100 KVA: 570 x 1230 x 920										

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