



KOIRI INFOSYSTEMS PRIVATE LIMITED
Empowering Technologies



Power Sure

High Performance Online UPS

KEY FEATURES

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

APPLICATION

Data Centers & Server Farms

Hospitals & Healthcare

Educational Institutions

Industrial Automation

Banks & Financial Institutions

Commercial Buildings & IT Parks

Telecommunication Networks

Airports & Railways

Defense & Government

TECHNICAL SPECIFICATIONS

PRODUCT DETAILS						
Product Name	ONLINE UPS					
Models	POWER SURE					
Ratings	5 KVA	7.5 KVA	10 KVA	15 KVA	20 KVA	25 KVA
Operating DC Voltage	360 v		192-240-360 V		360 V	
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% & 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	Less than 95 RH Value					
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 25 KVA,20 KVA:470 x 810 x 900, 470 x 1090 x 900					

PRODUCT DETAILS	
Product Name	ONLINE UPS
Models	POWER SURE
Ratings	25 KVA 30 KVA 40 KVA 50 KVA 60 KVA 80 KVA 100 KVA 120 KVA 150 KVA 200 KVA
Operating DC Voltage	380-480 VDC
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% & 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	Less than 95 RH Value
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)	30 KVA & 40 KVA: 470 x 1090 x 900 50 KVA, 60 KVA, 80 KVA & 100 KVA: 570 x 1230 x 920 120 KVA, 150 KVA & 200 KVA: 700 x 1350 x 1400 800 x 1400 x 1600 900 x 1500 x 1800
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Manufactured by

