

ON LINE UPS - 1 KVA TO 200 KVA

1 in 1out : 1 to 10 KVA

3 in 1out : 10 KVA to 40 KVA

3 in 3out : 10 KVA to 200 KVA



Galvanic isolation offers Comprehensive Protection and High Availability

Mains grade raw power contains impurities and large percentages of harmonics injected into the line by various non-linear loads. The common problem of neutral drift can produce considerable increase in output voltage and permanently destroy your critical loads and data.

Isolation transformers increase load protection and ensure human safety by isolating the AC leakage current from developing a potential between the input and ground. Isolated output enhances the attenuation of common mode noise by increasing the impedance between the input and output.

FEATURES

- Power Factor Corrected
- Digital Signal Processor
- Isolation Transformer
- SNMP
- Autobypass

POWER FACTOR CORRECTIONS

- Reduces the running cost in terms of electricity bill
- Prevent the overrating of electrical wire
- Reduces reacted harmonics back to the source
- Savings in sizing of utility transformer & generator

TECHNOLOGY

- DSP technology IGBT inverter - IGBT converter

TOPOLOGY

- Bilar PWM switching

INTERFACE

- SNMP compatible
- User-friendly LCD display
- True RMS reading
- Fault condition
- Status display
- Event logging

IDEAL POWER-CONDITIONER

- Constant Frequency source
- Premium Quality Galvaically isolated Power
- Power Factor Corrector

TECHNICAL SPECIFICATIONS

PFC 301 / 10KVA - 40 KVA

TECHNOLOGY		DSP based, IGBT inverter-IGBT converter Online UPS.
RATING		10KVA - 40KVA
DC BUS		192VDC - 360VDC
INPUT		
Input Voltage		415VAC, 3Ø & N
Input Voltage Window		330VAC - 470VAC
Input Frequency		45-55Hz
Input PFC	100% load	> 0.95
Power walk in		Soft start for 0-20 seconds power walk-in.
RECTIFIER		
Type		IGBT based full bridge
Voltage Regulation (±) 1%		
Ripple Voltage		< 2%
Converter Protection		Advanced Electronic Protection for device safety backed up, with MCB's/ MCCBs & fast acting fuses
INVERTER		
Inverter Type		IGBT based MPWM with instantaneous Sinewave Control
Output PF		0.8 lagging to Unity
Nominal Voltage		230VAC, 1Ø, P-N
Regulation		(±) 1%
Frequency		50 Hz ± 0.1Hz
Waveform		True Sinewave
Total Harmonic	Linear Load	< 2%
Distortion	Non Linear Load	< 5%
Transient Response		Remains within +/- 5% & recover to normal within 20 msec
Over Load	100%	Continuous
Capacity	110%	10 Minutes
	150%	1 Minute
Crest Factor		3:1
Mode of Operation		Designed for Continuous operation
ISOLATION		True Online with complete galvanic isolation.
		Inverter Protection Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses, high speed pulse by pulse electronic device protection over voltage / under voltage protection, Electronic over current trip.
BYPASS		
Manual Bypass		Provided
ALARMS		
		• Input / Low / Fail • Output overload • Over temperature • Battery low
LED Indications (Single LED with multi function)		
		• Mains on • UPS on • Battery Low • Overload
		• Input Voltage • Output Voltage • Load current • Output Frequency • Battery Voltage

TECHNICAL SPECIFICATIONS

10KVA - 200KVA PFC 303 - Series Online UPS

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