



WHERE PARAMETERS SET,
NOT MATCHED



CB-020-MS



Prism power

ABOUT US

Prism Power was established in 2006, with the solve view to manufacturing, supplying and involved in solution provide business. We are involved in offering comprehensive range of voltage stabilizing and power saving & storage equipments. Our core organization with a zero touches manufacturing strategy.

We are technically highly expert in all areas of power product field & can understand the actual need of each industries or organization. Such expertise has come through continues efforts in improving and sharpening our knowledge by keeping in place with technology and optimizing it with he need of customer and then offerings most Viable, Economical, Cost effective solution in long term. Selling product does not end our responsibilities and so we always ensure that everything in your application operates at most efficient way.

VISION

Our management activities have always been centered on its customers.

QUALITY POLICY

We provides product & services of the highest possible standards to satisfy our customer needs, expectations of Quality, Safety, Reliability and Service.

SUPPORT POLICY

We provide our level best support in choosing right products with specification according to the client's requirement b 'cos we believe in long term relationship

After Sales

Selling product does not end our responsibilities and so we always ensure that everything in your application operates at most efficient way.



RANGE OF PRODUCTS

SERVO CONTROL VOLTAGE STABILIZER (SCVS)

1 PHASE – AIR COOL- 3 KVA TO 20 KVA

ISOLATION TRANSFORMER / ULTRA ISOLATION TRANSFORMER

1 PHASE- AIR COOL- 1 KVA TO 20 KVA

SERVO CONTROL VOLTAGE STABILIZER (SCVS)

3 PHASE – AIR COOL- 10 KVA TO 100 KVA

SERVO CONTROL VOLTAGE STABILIZER (SCVS)

3 PHASE – OIL COOL- 50 KVA TO 2000 KVA

ISOLATION TRANSFORMER / ULTRA ISOLATION TRANSFORMER.

3 PHASE- AIR COOL- 6 KVA TO 150 KVA

ISOLATION TRANSFORMER / ULTRA ISOLATION TRANSFORMER.

3 PHASE- OIL COOL- 30 KVA TO 1500 KVA

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

STATIC STABILIZER

1 PHASE – 3 KVA TO 70 KVA

STATIC STABILIZER

3 PHASE – 6 KVA TO 200 KVA

APFC / DISTRIBUTION / DB / LDB / PANNEL.

VARIABLE AUTO TRANSFORMER (DIMMER) : 4A TO 1000A

SERVO CONTROLLED VOLTAGE STABILIZER (SCVS) 1 PHASE – AIR COOL- 3 KVA TO 20 KVA



TECHNICAL SPECIFICATIONS

Input Voltage Range	: 170-270V, 170-300V, 100-300V, 1 Phase- 3 Wire.
Output Voltage	: 230±1% V AC, 1 Phase- 3 Wire.
Operating Frequency	: 47-53 Hz
Output Regulation	: ± 1 %
Rate Of Correction	: 35 V/ Sec.
Waveform Distortion	: Nil.
Efficiency	: ≥98 %
Degree Of Protection	: IP:30
Applicable Standard	: IS 9815
Termination	: Connector.
Cooling	: Air Cooled.
Manual BY PASS	: Provided
Enclosure	: MS Powder Cotted.

PROTECTION

High Voltage Cutoff.
Low Voltage Cutoff.
Short-circuit Protection by MCB.
Overload Cutoff.

FEATURES

Digital Microprocessor Controller.
Response Time 10 milisec.
Display Input Voltage, Output Voltage and Current.
All Parameters set by programmable Controller.
Overload Settable – 50% to 100 %.

ISOLATION TRANSFORMER/ ULTRA ISOLATION TRANSFORMER. 1 PHASE- AIR COOL- 1 KVA TO 20 KVA



TECHNICAL SPECIFICATIONS

Input Voltage Range	:	230 $\pm$ 10 % V AC, 1 Phase, 3 Wire.
Output Voltage	:	230 $\pm$ 1% V AC, 1 Phase, 3 Wire.
Transfer Ratio	:	1:1

FEATURES

- Isolates Load from Noisy Power Source.
- Reduce power lines noise, spikes, surges & transients.
- High Insulation Resistance.

SERVO CONTROLLED VOLTAGE STABILIZER (SCVS) 3 PHASE - AIR COOL - 10 KVA TO 100 KVA



SERVO CONTROL VOLTAGE STABILIZER(SCVS) 3 PHASE - OIL COOL - 50 KVA TO 2000 KVA



TECHNICAL SPECIFICATIONS

Type	:	3 phase Unbalance Supply & Load .
Input Voltage Range	:	360-480V, 340-480V, 300-500 V.
Output Voltage	:	400 V,415 V(Or as Per Customer Demands).
Regulation	:	± 1 %.
Rate of Correction	:	35 V/ Sec.
Frequency	:	47-53 Hz.
Response Time	:	10 milisec.
Cooling	:	AIR/ OIL Cooled.
Waveform Distortion	:	Nil.
Environment	:	Designed For Indoor Tropical Use.
Degree of Protection	:	IP : 30.
Applicable Standard	:	IS 9815.
Termination	:	Connector/ Bus Bar.
Enclosure	:	MS Powder Cotted with Caster Wheels For Easy Movements.

PROTECTION

High Voltage Cutoff.

Low Voltage Cutoff.

Single Phasing Preventer.

Overload Cutoff.

Short-circuit Protection.

High Voltage/ Low Voltage/ Overload Immediate Trip (IM).

STANDARD FEATURES

Each phase controlled by separate motorised-transformers to ensure desired voltage.

Digital Display of all parameters like Input Voltage/ Output Voltage, Current.

Auto / Manual facility.

Transient Voltage Surge Suppression.

DG Set Compitiable.

OPTIONAL FEATURES

Manual By-pass Switch.

Contactor at Output – in Oil Cooled.

Lighting Surge, Extermely high spikes protection by SPD.

Neatural fault/ Earth Leakage Cutoff

#Nonstandard KVA, Input Voltage, Output Voltages are also available on request.

ISOLATION TRANSFORMER / ULTRA ISOLATION TRANSFORMER

3 PHASE - OIL COOL - 30 KVA TO 1500 KVA



The Present AC Power Lines are Superimposed With dangerous Spikes, Sarges, Transient, Sages RFI Noise and Harmonics. The High Frequency noise easily enter equipments and damage to PLC.

Isolation Transformer eliminate such noise and attenuates the spike to minimum values, providing complete protection against such electrical disturbances.

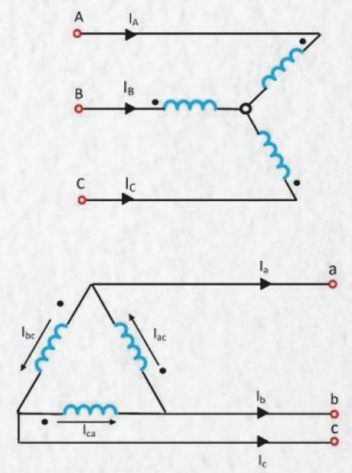
Isolation Transformer range employs a unique multiple shielding technique that reduce the inter- winding capacitance to below 0.001 pt and DC isolation to over 500 M ohms. Attenuation of common mode noise is about 100 db. Regulation at 400 or 415V AC is about 4%

TECHNICAL SPECIFICATIONS

Rating	: 3 PHASE
Input Voltage	: $400V \pm 10\%$, 50HZ, 3 Phase, 4 wire AC
Output Voltage	: $400V \pm 4\%$, 50HZ, 3Ph 4 wire AC
Transfer Ratio	: 1:1
Regulation	: $\pm 4\%$
Coupling Capacitor	: Less than 0.001 pf
DC insulation Resistance	: >500 mega ohm at 500V DC
Common node noise	: Approx 100 db
Break down Voltage	: 2KV AC (rms) for 1 Minute
Suitability	: Suitable for all power factor loads.
Cooling	: Air/Oil Cooled
Duty Cycle	: 24*7
Environment	: Indoor
Degree of Protection	: IP 30 to IP-55
No load Loss	: 0.5%
Efficiency	: 96-98%
Termination	: Connector / Bus Bar
Over load Capacity	: 200% Momentairly.

FEATURES

- NO Waveform distortion.
- Very high Common made noise Rejection.
- Reduce power lines noise, spike, surges & transients.
- isolate load from noisy power source
- ≠ Non Standard KVA, Input voltage Range and output voltage are also available on request.



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 Distortion	Linear Load	< 2%
	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

TECHNOLOGY		DSP based, IGBT inverter-IGBT converter Online UPS.
RATING		10KVA - 200KVA
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		415VAC, 3 Ø, P-P / 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		
LED Indications (Single LED with multi function)		• Input / Low / Fail • Output overload • Over temperature • Battery low
		• Mains on • UPS on • Battery Low • Overload
		• Input Voltage • Output Voltage • Load current • Output Frequency • Battery Voltage

Quality Assurance

- All Bought out Components sourced from reputed manufacture and supplier as per standard
- 100% Raw Material inspections as per internal Quality Plan.
- Individual assemblies and sub assemblies tested separately.
- All Electronics PCB's are tested at 60°C in over.
- Final Equipments are tested for 24 hours with continuous voltage variations from min to max.



"FACTORY"

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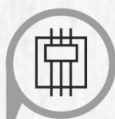
"VAPI OFFICE"

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GIDC Vapi-396191.

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Pass through mechanism



Best-in-class accuracy



Alerts



Touch Keys