



Complete Power Solutions at the Right Price



SERVO STABILIZERS
ONLINE UPS
ISOLATION / K-RATED TRANSFORMERS
PHASE SEQUENCE CORRECTOR
IGBT STABILIZERS
APFC PANEL

www.faithpower.in

SERVO STABILISER



TECHNICAL SPECIFICATION

CAPACITY (KVA)	3KVA-2000KVA
Input Voltage Range	A) Range 1:295V-465V
	B) Range 2:340V-480V
	C) Range 3:360V-460V
	D) Range 4:240V-460V
	Other ranges also available as per customer requirements
Output Voltage	380/400/415 V $\pm$ 1%
Input Frequency	47-53 Hz
Control Type	Digital - DSP Based Control
Correction speed	70V per second / 110V per second
Reset	Manual/Auto Reset with time delay and programmable
Connections	3 Phase with Neutral
Protection	A) Electronic Over & under voltage trip with time delay for input & Output
	B) Electronic overload protection and short circuit protection
	C) Above 30 KVA MCB/MCCB is an optional
	D) Surge Arrester/RF suppressor(OPTIONAL)
	E) Phase reversal protection and cut off
	F) Single Phase prevention and cut off
	G) Neutral failure protection
	h) Single Phase Operation (optional)
	i) Earth to neutral voltage cut off protection (optional)
BY-PASS Switch	Manual bypass is inbuilt in up to 30 KVA & Above 30KVA is optional.
Short Circuit & Percentage	300% for 250 Milli Sec
Metering Digital LCD/LED Type	A) Input phase to Neutral
	B) Input Phase to Phase
	C) Output phase to Neutral
	D) Output phase to Phase
	E) Load Current in all Phases
	F) Frequency and History of Error Logs
Audio Alarm	For tripping conditions
Nature of Cooling	Natural air cooled upto 100 KVA & Forced air cooled upto 150 KVA & Oil Cooled from 3 KVA to 2000 KVA
Effect of power factor	Nil
Waveform Distortion	Nil
Efficiency	>98%
Provision of Cabling	Input and Output termination with provisions for fixing cable glands
Servo Motor Drive	Rugged AC step synchronous motor
Operating Temperature	0° C to 45° C
Humidity	0 to 95 % RH Max.Non Condensing at 35° C
Noise Level	< 60db at 1 meter
System Construction	As per IS 9815 / IEC 61558 - 1
Colour	Dark Grey Texture
Painting	Powder Coated (7 Tank Process)
	Epoxy Paint for Sea - Shore application (optional)
Wheel	Bi-Directional

ONLINE UPS



TECHNICAL SPECIFICATION

Power Rating - kVA		1 kVA to 500 kVA
Input	Nominal Voltage	380/220 , 400/230 , 415/240 ,Vac (3 Phase , 4- Wire Plus Ground)
	Voltage Range	± 20 %
	Current Harmonic Distortion	< 3 % (With optional rectifier or filter , full load)
	Frequency	50 or 60 Hz ± 5 %
Output	Voltage	380/220 , 400/230 , 415/240 ,Vac (3 Phase , 4- Wire Plus Ground) 220,230,240 Vac (1 phase , 2- Wire Plus ground)*
	Voltage Harmonic Distortion	≤ 3 % (linear load)
	Voltage Regulation	± 1 % (Static)
	Frequency	50 or 60 Hz 0.5%
	Frequency Regulation	± 0.01 % (interior oscillation) ; ± 1 % (synchronized)
	Overload Capability	≤ 110 % ; 60 minutes ; 110 - 125% ; 10 minutes ; 126 - 150 % ; 1 minute
	Waveform	Pure Sine Wave
	Crest Factor	3:1
	Output Voltage Dynamic Regulation	± 5 % (For 0 ~100 % Load Variations)
Batttries	Voltage Symmetry with 100 % Unblanced Load	± 1 %
	Type	SMF
	Backup Time	As Per Customer Requirement
	Rated Battery Voltage	36 - 384 Vdc
Rectifier Output	Ripple	<1%
Inverter Output	Static Stability	± 1 %
	Dynamic Stability	± 5 % in 5ms
	Inverter efficiency	93%
	Operting Temperature	0° to 40°C
	Relative Humidity	95% (non condensing)
	Noise	53/60dba at 1 meter
	Protection rating	1P 20
	Efficiency	92%
	Compliance	Safety EN 62040-1 EMC EN 62040-2
	Protection rating	Output short circuit
		Battery Low tripping
		D.C.over voltage & main over voltage
		Battery & inverter by HRC Fuse link & MCB
		Input MCB / Output MCB
		Output Over load
		Output Over Voltage
	Indications	Status Indications for the following: Main ON, Battery ON, Inverter ON, Battery Low, Over Voltage, Inverter Over Load
	Alarm with Indications	Battery Low
	Metering	D.C. Volts / Output A.C. Volts, Input AC Volts, Frequency. LCD Display
	By-Pass	Manual Bypass provided. (For Maintenance)

ISOLATION TRANSFORMER

TECHNICAL SPECIFICATION



Rating	1KVA TO 1000 KVA
Input Voltage And Output Voltage	A) 1:1, 2:1, 1ph 3ph (or) B) Customized
Regulation	2-4 % from 0.8 to Unity Power factor
Impedance	< 4%
Operating Load Power factor	0.75 Lagging to 0.75 Leading
Efficiency @ 100 % Load	> 97.5 %
DC Galvanic Isolation	> 500 Mega Ohms
Dielectric Strength	2.5 KV , 50 Hz for 60 secs
Configuration	Delta / Star
Vector Group	DYn 11 ** for Delta / Star
Coupling Capacitance	0.1 Pico Farads
Line Leakage Current	< 20 Micro Amps
Noise Attenuation	100DB upto 10Khz
Operating Temperature	0° C to 45° C
Humidity	0 to 90 % (Non-Condensing)
Insulation	Class F
Protection	IP 31
Related Standards	IS 2026, IS 11171
Cooling	Air Cooled / Oil Cooled
Metering	LCD display as OPTIONAL

**WE ARE AUTHORISED BUSINESS PARTNER
FOR VERTIV(EMERSON) - HARMONIC FILTERS, OJUS - DIESEL GENERATOR
& TSI - IGBT STATIC STABILIZER.**

DIESEL GENERATOR - OJUS

VRP (PRECISION VOLTAGE REGULATOR)



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