

GS ENTERPRISES

AN ISO 9001:2015, ISO 14001:2015 Certified Company & CE Marking



About Us



PowerZet, a trusted brand under **GS Enterprises**, is recognized as a reputable **Online UPS Manufacturer** in Bihar. Founded in 2022, it is a trusted name in the Commercial Enterprise, Infrastructure, Industrial & Residential Sectors. We are committed to delivering superior power solutions that enhance operational efficiency, minimize downtime, and provide seamless energy backup. We have a group of engineers with decades of experience in power conditioning equipment.

We take pride in our customer-centric approach, offering tailored solutions to match specific requirements. We specialize in providing high-quality Online UPS, CVCF, Servo Stabilizers, Sine Wave Inverters, SMF Batteries, and CCTV Cameras to meet the diverse needs of residential, commercial, and industrial clients.

Our dedication to after-sales support and service ensures that our customers experience long-term benefits from our products. We look forward to being your preferred partner for all your power and surveillance needs.

OUR CORE AREA

We cater to various applications according to the respective needs for the UPS systems varying from 1 KVA to 300 KVA. The quality is ensured along with the best service provided.



Data Centers



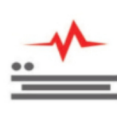
Financial Services



Telecom



Industrial



Healthcare



Commercial

FEATURES

- Wide Input Window
- Generator Compatible
- IGBT Based Hi - Frequency PWM Inverter
- Battery Deep discharge protection
- High crest factor > 4 : 1
- Hot Stand-By Mode (Optional)
- Soft Start facility

APPLICATION

- PC's, Servers & Printers
- ATM's
- Telecom & Communication equip.
- Medical Equipment
- Printing & Packaging Machines
- Laser Cutting Machines
- Food Processing
- Heavy Industries Equipments
- Corporate Offices



ON-LINE UPS SYSTEMS (1 KVA to 15KVA 1/1 Ø)

(5 KVA to 300 KVA 3/3 Ø)

OUR UPS

Powerzet Online UPS systems are built with advanced Double Conversion Technology, delivering a pure sine wave output for unmatched power stability and reliability. Available in capacities ranging from 1 kVA to 100 kVA, they are designed to cater to both small-scale and large-scale power backup needs. Engineered for high efficiency to minimize operating costs, these UPS units feature advanced microprocessor control for superior performance and long-term dependability. An automatic bypass ensures uninterrupted power flow even in the event of an internal fault, while the clear LCD/LED display allows for easy system monitoring.

Specification / KVA	1, 2, 3, 4, 5, 7, 10	10, 15, 20, 40, 50, 60, 75, 100	10, 15, 20, 40, 50, 60, 75, 100, 200, 300
INPUT VOLTAGE	SINGLE PHASE	THREE PHASE	THREE PHASE
Input Voltage Range	170 to 270 V	340 to 460 V	340 to 460 V
Input Frequency	45-55 Hz	45-55 Hz	45-55 Hz
INVERTER			
Output Wave Form	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output voltage	230 V	230 V	415 V (3 in - 3 out)
Output voltage regulation	+/-1%	+/-1%	+/-1%
Output Frequency	50hz +/- 0.5 Hz	50hz +/- 0.5 Hz	50hz +/- 0.5 Hz
Power Factor	0.8 to Unity	0.8 to Unity	0.8 to Unity
THD	Less than 3%	Less than 3%	Less than 3%
Technology	Micro Controller Based High Frequency PWM Technology		
BATTERY CHARGER			
Charger Type	Constant Voltage Constant Current		
Charging Mode	Trickle, Float & Boost		
OPERATING TEMPERATURE	0-45° C		
Humidity	90% Non Condensing		
Noise Level	Less than 45dB		

BATTERY VOLTAGE FOR EXTERNAL BATTERY MODELS

1 KVA - 120 V	10 KVA - 240 V	10 KVA - 240 V	65 KVA - 432 V
2 KVA - 120 V	15 KVA - 360 V	15 KVA - 360 V	75 KVA - 432 V
3 KVA - 180 V	20 KVA - 360 V	20 KVA - 360 V	100 KVA - 432 V
5 KVA - 180 V	30 KVA - 360 V	30 KVA - 360 V	150 KVA - 480 V
7.5 KVA - 180 V	40 KVA - 432 V	40 KVA - 432 V	200 KVA - 480 V
10 KVA - 180 V	50 KVA - 432 V	50 KVA - 432 V	250 KVA - 480 V
15 KVA - 192 V	60 KVA - 432 V	60 KVA - 432 V	300 KVA - 480 V

LCD DISPLAY	AUDIO ALARMS	OPTIONAL FEATURES
<ul style="list-style-type: none"> On Mains On Battery Battery Charging Battery Discharging Battery Low Overload Battery Voltage Output Frequency Input voltage Load percentage 	<ul style="list-style-type: none"> Battery Low Over Load Input High Output High DC High 	<ul style="list-style-type: none"> Software for Auto Shutdown External Battery Bank for longer backup Static bypass Hot standby mode 110V Output 60Hz Output



CVCF

(Constant Voltage Constant Frequency)

Ultimate Solution for Color Sorter Machine Power Problems

The operating principle of Constant Voltage Constant Frequency (CVCF) lies in maintaining a stable voltage and frequency output regardless of fluctuations in the input power supply. In the context of a Color Sorter Machine, the CVCF system ensures a consistent and reliable power supply, essential for precise and accurate operation. By regulating voltage and frequency at constant levels, the CVCF technology mitigates power fluctuations, safeguards sensitive electronic components, and optimizes the performance of the Color Sorter Machine, ultimately providing an uninterrupted and efficient sorting process.

Operating Principle

- Unregulated raw input supply from MAINS/Generator is filtered & stabilised
- Filtered power is brought under control of algorithm by switching circuits
- Time tested micro controller technology & reliable IGBT devised ensure that, output of the
- CVCF is constant voltage & constant frequency

Advantages

- Electronically operated equipment developing reliable Technology
- Always steady voltage at the output $220V \pm 1\%$
- Always steady frequency at the output $50Hz \pm 0.1\%$
- Isolated output free from spikes & Surge Instantaneous Voltage Correction
- Sleeking size
- Excellent transient response for heavy Inductive Load
- Enhance application life span
- Our Products are user friendly and easy to service
- We delay latest state-of-the-art technology

Application

- Color Sorter Machine
- Packaging Machine
- CNC & PLC Machines etc.
- Printing Machine
- Medical Equipment
- Communication Products



Servo Voltage Stabilizer (1 KVA to 1500 KVA)



OPTIONAL FEATURES

- 110 V Output can also be supplied
- Over-Under Voltage Cutoff Protection through Contactor.
- Overload / Short Circuit protection through MCB/MCCB.
- Changeover / By-Pass facility
- Built in spike suppressor
- Digital Voltmeter / Am-Meter
- Single Phase/Phase Reversal Protection

SALIENT FEATURE

- Digital micro controller based technology.
- Fully Solid State Control Circuit for High Reliability.
- Synchronous motor drive for high reliability
- Excellent Regulations as high as $\pm 1\%$
- Use of Professional Grade IC's for better stability
- Zero Wave Form Distortion
- High Efficiency
- Rugged construction with No Load losses
- Auto-Manual Operation Facility through selector switch
- Volts adjust to set / adjust required voltages
- Increase / Decrease switch to control output voltage in Manual Mode
- Voltmeter to read Input / output voltage through selector switch
- Indications : Output on, Input High/Low, Output Cutoff
- Suitable Input/Output connection provision is provided
- Cyclic 6t Routine Test done on every unit.

Characteristics	Single Phase	Three Phase (Unbalanced/balanced Type)
Input Voltage	200-280 V AC	340 - 480 VAC
-	170-270 V AC	300 - 480 VAC
-	140 - 280 V AC	240 - 480 VAC
-	110 - 280 V AC	190 - 480 VAC
Output Voltage	230 V $\pm 1\%$	400 $\pm 1\%$
Output Adjustable	220 - 240 VAC	380-415 VAC
Connections	Star / Star	Star / Star
Frequency	47-53 Hz	47-53 Hz
Insulation	Class B	Class B
Wave from Distortion	None	None
Effect of Load Power Factor	Nil	Nil
Type of Cooling	Air / Oil Cooled	Air / Oil Cooled
Speed of Correction	> than 20 V/Sec	> than 20 V/Sec
Regulation	$\pm 1.0\%$ from No Load to Full Load	$\pm 1.0\%$ from No Load to Full Load
Ambient Temperature	0 to 45 degree	0 to 45 degree
Enviroment	Designed for Indoor Continuous Operation	Designed for Indoor & Outdoor Continuous Operation
Rating Available	1 KVA to 25 KVA	6 KVA to 1500 KVA

OUR VALUABLE CLIENTS



IndianOil

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channel partner



Our Branches

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