■ 3-Phase heavy duty industrial UPS for critical

INDUSTRY-PROVEN RELIABILITY.

• Today, POWERTECH International Corporation continues this tradition with the launch of its industrial-duty Galaxy Series UPS. The Galaxy Series double-conversion UPS is available in a three-phase in, single-phase out 3P1 solution. The POWERTECH 3P1 solution is designed to push the boundaries of UPS performance standards in petrochemical, oil, and gas refineries. All POWERTECH Galaxy Series models feature industrial-rated components designed for a 20-year lifespan.

STANDARD FEATURES:
• Ready for Chemical Plant Applications
• Double-Conversion UPS Protection
• 120 V DC Battery Link
• 65 kAIC-Rated
• Internal Maintenance Bypass
• Copper-Wound Galvanic Isolation Transformers
• TVSS Included on all Inputs
• Programmable I/O Ports
• LED Type Operation Status Indicators

BATTERY SYSTEMS OPTIONS
The POWERTECH Galaxy Series 3P1 UPS works equally well with either VRLA or wet cell batteries. Batteries in Cabinets or rack configurations are available for application or run time specific requirements. Outdoor N3R Battery Cabinets available to meet specific applications.

UPS MONITORING
RemotEye® 4 offers real-time control, monitoring, and analysis of UPS operation. The quick and easy-to-use software can automatically initiate an orderly shutdown to connected servers to minimize any risk of data loss. RemotEye® 4 also features a first-ever mobile website for monitoring UPS status updates on-the-go. Universal communications protocols compatible with RemotEye® 4 include Modbus TCP & RTU, BACnet IP & MSTP, HTTP/HTTPS, and SNMP. RemotEye® 4 is compatible with IPv6. The Galaxy Series also includes a Human Machine Interface (HMI) with PLC I/O ports to allow customer specific hard wire communication

COMPLETE FLEXIBILITY.

The POWERTECH Galaxy Series Industrial three-phase uninterruptible power system (UPS) is purpose built for the rigors of industrial applications. The sturdy UPS enclosure is weatherproofed to NEMA 3R, resistant to falling dirt, rain, sleet, and snow, making it suitable for installation in both indoor and outdoor industrial settings. The double-conversion, all insulated-gate bipolar transistor (IGBT) Galaxy Series UPS features a digitally controlled IGBT input rectifier, an intelligent low harmonic pulse-width modulation (PWM) output, state-of-the-art electronic battery isolation circuitry, and an easy to navigate local touchscreen interface.

The mechanical design allows zero rear clearance and includes bottom cable entry, standard sized air filter provisions, built-in Maintenance Bypass Switch, and lockable keyed doors with mechanical interlock that removes power from the UPS before the electronics or magnetics bay doors can be opened. Customization is available through a number of options, such as internal battery backup, internal transformers for specific voltage applications, and remote monitoring with the POWERTECH RemotEye® 4 multi-protocol UPS monitoring solution. The Complete model shown here allows for maximum application flexibility in an outdoor-ready enclosure

Galaxy Power Series 5000Kva

	Model Number	PTUGPS33L50	PTUGPS33L20	PTUGPS33L30
MODEL	Capacity	50 Kva	20 Kva	30Kva
	Topology	Three-Phase In, Single-Phase Out, True On-LineDouble-Conversion Technology	True On-Line, Double-Conversion, All-IGBT Technology	
INPUT	Voltage (Standard)	480 V: Three-Phase, Three-Wire + Ground	480 V: Three-Phase, Three-Wire + Ground, Dual Input with Isolation Transformer	
	Power Factor	>0.98@100% Load	>0.98	
	Current THD	<5% @100%, <6% @ 25%	<3% at 100% Load	
	Frequency	60 Hz	50 +/- Hz; 60 +/- Hz	
OUTPUT	Voltage (Standard)	120 V: Single-Phase, Two-Wire + Ground	480/277 V: Three-Phase, Four-Wire + Ground with Auto Transformer	
	Frequency	60 Hz	50/60 Hz, +0.1% Auto-Sensing Standard. (50/60 Hz Selectable, for use as Frequency Converter)	
	Voltage Regulation	+/-3%	+/-3%	
	Power Factor	0.9 Lagging	0.9 Lagging	
	Overload Capacity	110% to 125% for 10 minutes, 150% for 60 seconds	Inverter: 125% for 90 Seconds, 150% for 30 Seconds, Bypass: 125% for 10 Minutes, 1000% for 10 Milliseconds	
BATTERY	DC Link	120V	288 VDC	
	Ripple Voltage	<0.5% RMS	<0.5%	
ENVIRONMENT	Temperature Range	32 to 104°F (0 to 40°C)	14° to 122°F (-10° to 50°C)	
	Relative Humidity	30% to 90% Non-Condensing	5% to 95% Non-Condensing	
	Heat Rejection	31,449 BTUs/Hour	10,833 BTUs/Hour	17,584 BTUs/Hour
	Full-Load Efficiency	83%	85%	84%
	25% Load Efficiency	77%	72%	73%
	Altitude	3300 ft. (1000 m) Maximum Without Derating	3300 ft. (1000 m) Maximum Without Derating	
	Air Filtration	Airflow top-to-front with front-located filters	Airflow top-to-front with top-located filters	
	Audible Noise	65 - 70dBA @ 1m typical	<65dBA @ 1 m Typical	
DIMENSIONS	Dimensions	96"W x 31.5"D x 78.7" H	84.34 in. (W) x 38.72 in. (D) x 92.09 in. (H) (2142 mm x 938 mm x 2339 mm)	
	Weight	3218 lbs. (1,460 kg)	2680 lbs. (1215.6 kg)	
	Color	ANSI 61 Grey	White Outdoor Smooth Powder Coat (Stainless Steel Option)	
ADDITIONAL FEATURES	Monitoring	Touchscreen Operator Interface, Programmable UPS Status N/O Dry Contacts, LED Operation Status Indicators, RS232C Interface, Optional RemotEye® 4 &/or HMI	Touchscreen Operator Interface, UPS Status N/O Dry Contacts, RS232C Interface (Optional RemotEye® 4 Intelligent Monitoring System)	
	Options	Isolation Transformers, RemotEye® 4 Intelligent Monitoring System, Remote Status Alarm Panel, HMI	Internal Batteries, Internal Transformers, Dual-Input Feed, RemotEye® 4 Intelligent Monitoring System, Remote Status Alarm Panel, Air Filters	
	Features	TVSS Included on Primary Input and Bypass, Integrated MBS	TVSS Included on Primary and Bypass Inputs, Integrated Rotary MBS	
	Standards	UL 1778; UL 17025, cUL 22.2, No. 107.1, ANSI C62.41 (IEEE 587), NFPA 70, NEMA PE1-1993, OSHA, ISO 9001; ISO14001, IEC298 IP20	UL/CUL 1778 Listed, ISO 9001, ISO 14001, ANSI C62.41 (IEEE 587), NEMA PE 1-1993	
	Warranty	3-Year On-Site Warranty; See POWERTECH Warranty Policy for Full Details		
	Service	24-Hour, 365-Day Technical Support: 1-877-867-8773		