

Power Generation Plant UPS

*Intelligent, digitalized, and true galvanic isolation
online design specially designed for Power Plants.*

- ¥ Double conversion on-line system
- ¥ IGBT inverter design
- ¥ UPS controlled by Digital Signal Processor(DSP)
- ¥ True galvanic isolation
- ¥ Cold start function(DC power on)
- ¥ High resolution 320*240 dots graphs LCD display
- ¥ Smart RS-232 or RS-485 communication port
- ¥ Remote control panel(option)
- ¥ Sine wave pulse width modulation(SPWM)
- ¥ Pure sine wave output less than 3% THD
- ¥ UPS status display on LED flowchart
- ¥ 20KHz high frequency inverter
- ¥ Versatile modular design
- ¥ Generator compatible
- ¥ Multi-function LCD display
- ¥ IBM AS-400 interface communication port(option)
- ¥ Short circuit and overload protection
- ¥ Emergency power off function
- ¥ Multiple language LCD display
- ¥ On line output voltage selected
- ¥ Anti-harmonic filters included(option)
- ¥ Intelligent maintenance system



Complete Power Solution™

ISO 9001 Certified Company

SPECIFICATION

Model Name	PGP-10K31	PGP-15K31	PGP-20K31	PGP-30K31	PGP-45K31	PGP-60K31	PGP-80K31	PGP-100K31	PGP-120K31	
Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	45KVA/36KW	60KVA/48KW	80KVA/64KW	100KVA/80KW	120KVA/96KW	
Power factor	0.8									
AC Input	Phase	3 phase 3 wire / 3 phase 4 wire and ground								
	Voltage range	380V/220V or 208V/120V +/- 15%								
	Frequency range	Auto-sensing, 50Hz/60Hz +/- 5 Hz								
	Regulation style	3 phase 6 pulses or 6 phase 12 pulses (option)								
	DC voltage	DC 220V								
	Efficiency of rectifier	> 97%								
Efficiency of Inverter	> 88%									
Total Efficiency	> 85%									
Output	Phase	Single phase								
	Voltage range	220V or 230V or 240V								
	Voltage regulation	+/- 1%								
	Transient state	Return to 90% with 4 cycles								
	Overload capacity	Bypass after 30 min while overload >100% <125%, after 30 sec while overload = 125% <150%, after 30 cycles while overload \geq 150%								
	Frequency	50Hz / 60Hz								
	Frequency regulation	+/- 1 %								
	Range of phase lock	+/- 5 Hz								
	Range of lock released	> +/- 5 Hz								
	Range of lock back	+/- 3 Hz								
	Wave	Sine wave								
	Load crest factor	3 : 1								
	Total harmonic distortion	Less 3% for linear load								
Static Switch	Transfer way	When inverter and utility are synchronized at same phase and voltage, bypass to inverter								
	Transfer time	Bypass to inverter 0ms								
		Normal state, inverter to bypass 0ms								
	Efficiency	>99%								
Environment	Operating Temperature	0 ~ 40°C								
	Storage Temperature	-20°C ~ 45°C								
	Ambient operation	3,500 meters max. elevation, 0-95% humidity non-condensing								
Physical size	W x D x H mm	1200 x 800 x 1800 (47.2" x 31.5" x 70.9")				1600 x 800 x 1800 (62.9" x 31.5" x 70.9")				
Weight	Net weight kgs	None	None	687 (151.1 lb)	717 (157.7 lb)	None	None	1588 (349.4 lb)	None	None

Available Through:

