PPUA-1000 SERIES

Improve the output voltage characteristics with symmetrical switching technique

- 32Bit DSP (Digital Signal Processor) to achieve precise control of high-speed real-time control using
- Parallel operation system (standby parallel and load sharing) Equipment Expansion ease.
- Using with built-in RS485 or RS-232 communication Port, supporting remote monitoring and control.

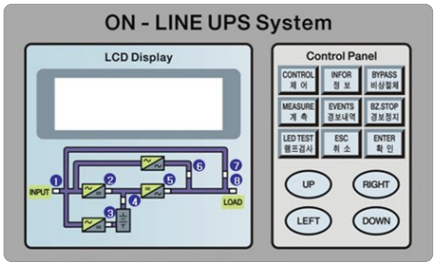
Transformer-Free UPS

ALL IGBT
1 Phase input / 1 Phase output
Transformer-less architecture

Features

- ON LINE SYSTEM
- Using SSM (Symmetry Switching Method), implement the high performance of the output voltage characteristics – Base on analysis for non-linear loads of output voltage FFT (Fast Fourier Transform), increase the output voltage waveform distortion (Total Harmonic Distortion)
- Precise power control because on a full-featured digital control to environmental changes such as ambient humidity, precise power control
- Additional capacity and reliability features for parallel operation (standby parallel, load-sharing scheme)
- Battery management functions (temperature compensated charging, the charging voltage increases protection, battery BANK bad discrimination function

Display Panel



User Friendly INTERFACE Maximize user convenience with HMI(Human Machine Interface)

Environment

Item		Characteristic & Performance
Input	Voltage	1Φ 220V
	Frequency	60Hz ±5%
Output	Voltage	1Φ 220V
	Frequency	60Hz ±0.5%
Installation Site		Above Sea Level 1000m (Indoor)
Relative Humidity		Max 95 % (Non-Condensing)
Temperature		Operation : 0C ~ 40C, Storage : -15C ~ 50C

Efficiency & Dimension

Item		Capacity (KVA)					
		03	05	7.5	10	15	20
Efficiency		78	78	82	82	82	82
Dimension	Width	350	350	350	350	400	400
	Depth	750	750	750	750	750	750
	Height	800	800	800	800	900	900

Standard Specifications

General Characteristics	Cooling Method	Base on Temperature Sensing, wind force-cooled Method
	Continuous Duty	100% Continuous
	Rectification	DIODE FUIL BRIDGE
	Inverter Control Method	IGBT High Frequency PWM
	BYPASS Method	SCR Switch
Electrical Properties	Voltage Stability	±1%
	Transient Response Speed	Below 50 msec (±2% Within the Return)
	Output Voltage Control	± 5%
	THD	Output Below 3%
	Output frequency stability	60Hz ±0.5%
	Power Factor	0.8 LAG
	Noise	Below 65 dB
	Charge current limitation	Constant Current Method
	Battery	12V 16, 18, 20, 30 Cells (etc. option)