

RP-UPHA803-DX series

8KVA ~ 10KVA Double conversion On-Line UPS (Low Frequency)

Unexpected power failures, voltage fluctuations, and electrical disturbances can disrupt critical operations and damage sensitive equipment. The RP-UPHA803-DX Series delivers continuous, stable power through true double-conversion technology and pure sine wave output.

Designed for challenging power conditions, this low-frequency Online UPS combines IGBT technology, a wide input voltage range, and generator compatibility. Its isolated design and comprehensive protection features help safeguard equipment against electrical disturbances.

Available in 8kVA to 10kVA capacities, the series features a built-in battery charger for extended backup applications, LCD/LED status displays, and intelligent monitoring capabilities. Its robust construction and front-access maintenance support reliable operation and convenient servicing.



Features

- True sine wave, double-conversion Online UPS with isolation
- Microprocessor-controlled design with IGBT and PWM technology
- Wide input voltage range and generator compatibility
- Optimized airflow design for demanding operating environments
- DC start capability and automatic self-diagnostic function
- LCD and LED indicators for UPS status and operating information
- Built-in battery charger for extended backup applications
- Smart communication interface for optional SNMP management card
- Comprehensive protection against overload, overvoltage, short circuits, and overheating
- Front-access design for convenient installation and maintenance
- Robust construction for reliable, long-term operation

Specifications

Model		RP-UPHA803-DX	RP-UPHA104-DX
Capacity (VA / Watt)		8kVA/ 6.4kW	10kVA/ 8kW
Input	Voltage	1P2W, 220Vac	
	Voltage Range	-15%, +25% or -30%, + 40% (with AVR option)	
	Frequency	50Hz or 60Hz $\pm$ 5%	
Output	Voltage	1P2W 220Vac $\pm$ 5% (Adjustable)	
	Frequency	50Hz or 60Hz	
	Voltage Regulation	$\pm$ 1%	
	Frequency Stability	$\pm$ 0.5% (Free running)	
	Transient Response	$\pm$ 3% (100% Load variation)	
	Waveform	Sine wave	
	Distortion	< 3% at 0-100% (Linear load)	
	Overload Capacity	120% : 30 sec, >150% constant power	
	Power Factor	0.7-1, lag	
	Crest Ratio	3:1	
Battery	Voltage	192Vdc	
	Charger	5A build in and 10A charger (option)	
Efficiency	AC to AC	>85%	
Transfer time	AC Fault	Zero	
Protection	Battery	Battery low shutdown and breaker	
	Overload	120~150% 30 seconds, then switch to bypass line & automatic re-transfer	
	Short Circuit	Current limited and cut-off and fuse and breaker	
	UPS Fault	Bypass, load supplied from mains less than 2ms	
Audible Alarm	Mains Failure	Sounding every four seconds after mains fail, 90 seconds mute	
	Final Discharge	Sounding once every second as battery approaches	
	Overload	Continuously	
	UPS Fault	Continuously	

Indicator	LCD	UPS status, I/P & O/P voltage/frequency, battery voltage, loading %, history record	
	LED	Utility LED (Green), Inverter LED (Green), Battery low (Yellow) Bypass voltage (Yellow), Fault LED (Red), Overload (Yellow)	
Interface	Contact Closure	Support MEGATEC RUPS UPS monitoring software	
	RS-232	Support MEGATEC RUPSII / UPSilon 2000 monitoring software	
Environment	Operation Temperature	0-40 °C(32-104 °F)	
	Relative Humidity	0-90% (non-condensing)	
	Audible Noise(At 1M)	< 45dBA	
Physical	Net Weight (Kg)	157	158
	Dimensions(WxHxD) mm	480*845*340	

*Product specifications are subject to change without further notice.

Ordering Information

RP-UPHA803-DX 8KVA/ 6.4kW Double conversion On-Line UPS (Low Frequency)
RP-UPHA104-DX 10KVA/ 8kW Double conversion On-Line UPS (Low Frequency)