

# PowerOn H Three Phase series UPS

H10K / H20K / H30K / H40K / H50K / H60K or above



## FEATURES

- Intelligent low frequency 3 phase On-Line UPS
- Pure 3 phase sine wave output
- Multi-CPU controlled technology ensure no harm to load and the unit when one of them breakdown
- True galvanic isolation design provides safe and clean AC power output in poor power source condition
- Extra wide input voltage range works effectively under an unstable AC source
- Modular design permit quick and easy maintenance
- Easy-to-read LCD display shows real-time operating parameters and system flow chart
- Easy Operation Mistake mode by user is harmless
- Lightning, Overload and short circuit protection
- Surge suppression and noise filtration
- Advanced battery charger provides huge charging power and intelligent charging management
- Battery start allows the unit to be turned on without AC source
- 100%-unbalanced load can be added without affecting the performance
- Reserved design and wide safety margin excellent reliability
- True RS232, RS485 communication port supports dry contact connectivity
- for software power management support

## APPLICATIONS

- Telecommunication ● Industrial Equipments

## AVAILABLE MODELS

- 10kVA / 20kVA / 30kVA / 40kVA / 50kVA / 60kVA or above

## UPS SPECIFICATIONS

ITEM		DESCRIPTION					
MODEL		H10K	H20K	H30K	H40K	H50K	H60K
RATING		10kVA	20kVA	30kVA	40kVA	50kVA	60kVA
WATTAGE		8kW	16kW	24kW	32kW	40kW	48kW
INPUT	Voltage	208 / 220 / 380 / 400 / 415 / 480 / 600 V <sub>ac</sub> Delta Connection Or Y Connection					
	Voltage Range	±20%					
	Voltage Regulation	±1%					
	Power/Walk In	20 secs (0% - 100%)					
	Frequency	50 / 60 Hz ±5%					
	Phase	3 Phase					
	Wiring	Delta Connection + Ground Or Y Connection + Ground					
	Efficiency	~98%					
OUTPUT	Voltage	208 / 220 / 380 / 400 / 415 / 480 / 600 V <sub>ac</sub> Delta Connection Or Y Connection					
	Voltage Regulation	±1%					
	Frequency	50 / 60 Hz ±0.1%					
	Phase	3 Phase					
	Frequency Lock Range	50 / 60 Hz ±3Hz					
	Waveform Type	Pure Sine Wave					
	Phase Shift Under	<0.5°					
	100% Unbalance Load						
	THD	< 2%					
	Transient	±5% (Load 25% - 100%)					
	Crest Factor	3:1					
	Output Connection	Delta Connection + Ground Or Y Connection + Ground					
	Efficiency	93%		93.5%		94%	
Overload Capacity	Continuous (< 110%) 15 Minutes (110% - 125%) 10 Minutes (125% - 150%) 1 Minutes (> 150%)						
Efficiency	99.5%						
STATIC SWITCH	Transfer Time	0 ms (Mains to Inverter) 0 ms (Inverter to Mains)					
EFFICIENCY	System	91%		91.5%		92%	
BATTERIES	Battery Type	Maintenance Free Lead Acid					
	Number of Cell	174 Cells (12V x 29 Pcs)					
	Voltage Range	285 - 415 V <sub>DC</sub>					
	Max. Charge Current (Adjustable)	5 Adc	10 Adc	15 Adc	20 Adc	25 Adc	30 Adc
COMMUNICATIONS & MANAGEMENT	Interface Port	RS232, RS485, Dry Contacts					
	Control Panel	LED Status Display On Utility, On Battery, Inverter O/P, Overload, System Fault, Battery Low, Out Of Sync LCD Provide Status By Two Line 40 Character Alphanumerical Display					
	Audible Alarm	On Battery, Overload, Sort Circuit, Over Temperature, Fuse Broken, Bypass On Stop, Emergency Stop, High DC Shutdown					
	Software	UPSCOM					
	Application Support	Remote Control Panel, SNMP Card					
	OS Support	Windows 95, 98, 2000, ME, NT4.0, XP, Linux, UNIX					
PHYSICAL	Dimensions	550mm (W) x 1600mm (H) x 800mm (D) 21.7" (W) x 63.0" (H) x 31.5" (D)					
	Net Weight w/o Battery	270 kgs. 594 lbs.	370 kgs. 814 lbs.	400 kgs. 880 lbs.	480 kgs. 1056 lbs.	550 kgs. 1210 lbs.	680 kgs. 1496 lbs.
ENVIRONMENTAL	Ambient	0°C-40°C (32°F-104°F), 0%-90% RH Non-Condensing					
	Audible Noise	Less Than 65 dBA (1 Meter Measured)					