



## Why come to us for a solution?

- Quality products
- Wide range of products
- Nationwide backup
- Locally produced UPS's
- Competitively priced
- Unique design
- Good value for money
- 24 hours after sales services



# HIP SERIES

ONLINE UPS 20KVA - 60KVA

The HIP Series UPS is a versatile system for any large server, data, or telecommunication room environment. These units have a unity input power factor with various battery backup options which are programmable from the front panel. Compact in design, this series takes up minimum space and allows the engineer to monitor all power conditions via computer or network (optional).



## APPLICATION

Data centres, Server rooms, Telecommunication, Medical Centres, Security Industry

## FEATURES

- Three phase in, three phase out
- DSP controlled technology
- Easy operational LCD display
- Compact design
- Wide input voltage and frequency windows
- Programmable battery voltage
- Powerful charger
- Intelligent charge modes with smart charge current adjustment
- Monitoring software
- Parallel redundant up to 4 units
- ECO mode for energy saving
- Unity power factor and low input distortion
- Versatile communication interface
- Superior overload capability



# HIP SERIES

ONLINE UPS 20KVA - 60KVA

MODEL	HIP20	HIP40	HIP60
<b>CAPACITY</b>	20KVA	40KVA	60KVA
<b>POWER</b>	16KW	32KW	48KW
<b>INPUT</b>			
<b>VOLTAGE RANGE</b>	380/400/415V ±20% (3 phase + neutral + earth)		
<b>OPERATING VOLTAGE RANGE</b>	208-478VAC		
<b>OPERATING FREQUENCY</b>	40-70Hz		
<b>POWER FACTOR</b>	≥0.99		
<b>BYPASS VOLTAGE RANGE</b>	maximum voltage: 220V: +25% maximum voltage: 230V: +20% maximum voltage: 240V: +15% minimum voltage: -45%		
<b>BYPASS FREQUENCY RANGE</b>	frequency protection range: ±10%		
<b>HARMONIC DISTORTION (THD)</b>	2%(100% non-linear load)		
<b>GENERATOR INPUT</b>	support		
<b>OUTPUT</b>			
<b>VOLTAGE RANGE</b>	380/400/415V ±1% (3 phase + neutral + earth)		
<b>FREQUENCY</b>	50Hz ±1%		
<b>WAVEFORM</b>	sine wave		
<b>THD (LINEAR LOAD)</b>	≤2% linear load ≤5% non linear load		
<b>CREST FACTOR</b>	3:1		
<b>POWER FACTOR</b>	0.8		
<b>EFFICIENCY</b>	≥95%		
<b>SYSTEM FEATURES</b>			
<b>TRANSFER TIME</b>	utility to battery : 0ms, Utility to bypass: 0ms		
<b>OVERLOAD - LINE MODE</b>	≤110%:60min ; ≤125%:last 10min ; ≤150%:last 1min ; >150% turn to bypass		
<b>OVERLOAD - BATTERY MODE</b>	≤110%:10min ; ≤125%:last 1min ; ≤150%:last 5sec ; ≥150% turn off		
<b>OVERHEAT</b>	line mode: switch to bypass; backup mode: shutdown UPS immediately		
<b>NOISE SUPPRESSION</b>	complies with EN62040-2		
<b>PROTECTION</b>	short circuit, overload, over temperature, battery low, fan fault alarm		
<b>AUDIBLE &amp; VISUAL</b>	line failure, battery low, overload, system fault		
<b>STATUS LED &amp; LCD DISPLAY</b>	input voltage/frequency, output voltage/frequency, load percentage, battery voltage, temperature		
<b>BATTERY</b>	advanced battery management		
<b>COMMUNICATION</b>	RS232, parallel port, dry contact(optional), intelligent slot, SNMP card (optional)		
<b>BATTERY</b>			
<b>DC VOLTAGE</b>	±192VDC/±216VDC/±240VDC 32/36/40(battery)		
<b>CHARGER</b>	6A	12A	
<b>ENVIRONMENT</b>			
<b>OPERATING TEMPERATURE</b>	0 - 40°C		
<b>STORAGE TEMPERATURE</b>	-25°C - 55°C (no battery)		
<b>HUMIDITY</b>	0 - 95% (non condensing)		
<b>ALTITUDE</b>	<1500m		
<b>NOISE LEVEL</b>	<55db		
<b>STANDARDS</b>			
<b>SAFETY</b>	IEC/EN62040-1, IEC/EN60950-1		
<b>EMC</b>	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		
<b>GENERAL</b>			
<b>DIMENSIONS (W x D x H) mm</b>	600 x 780 x 1200		



In the interests of continuous product improvement, all specifications are subject to change without notice.