CARANX
ENERGY SOLUTIONS

HIP 3300 SERIES

10~200kVA

3:3 Phase | PF 0.8

Product Features

- DSP-controlled technology
- Parallel redundancy up to 4 units
- Wide input voltage and frequency windows
- Easy-to-operate LCD display
- High power density up to 200kVA for space savings
- Unity power factor and low input distortion
- Output power factor at 0.8 (0.9 optional)
- ECO mode for energy savings
- Common or separate battery
- Programmable battery voltage from ±192Vdc to ±240Vdc
- Intelligent charge modes with smart charge current adjustment
- Megatech/Mod Bus protocol supported
- Powerful charger built in
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software

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Technical Specifications:

MODEL		HIP3301S/H	HIP33015S/H	HIP3302S/H	HIP3303S/H	HIP3304H	HIP3306H	HIP3308H
Capacity (VA/Watts)		10k / 8k	15k / 12k	20k / 16k	30k / 24k	40k / 32k	60k / 48k	80k / 64k
INPUT								
Nominal voltage		380/400/415Vac, (3Ph+N+PE)						
Operating voltage range		208~478Vac						
Operating frequency range		40Hz~70Hz						
Power factor		≥0.99						
Harmonic distortion (THDi)		2%(100% non-linear load)						
Bypass voltage range		Max. voltage:220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min. voltage: -45% (optional -20%,-30%)						
Bypass frequency range		Frequency protection range: ± 10%						
Generator input		Support						
OUTPUT								
Output voltage		380/400/415Vac, (3Ph+N+PE)						
Voltage regulation		± 1%						
Power factor		0.8/0.9(optional)						
Output frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)						
	Battery Mode	50/60(± 0.1)Hz						
Crest factor		3:1						
Harmonic distortion (THD)		⩽2% with linear load ⩽5% with non-linear load						
Efficiency		>94.5%		>95.5%				
BATTERY								
Battery voltage		Standard unit: ± 216Vdc; Long run unit Optional Voltage: ± 192V/ ± 204V/ ± 216V/ ± 228V/ ± 240Vdc						
Battery type		12V/38Ah (standard unit)						
Charge current(A) (charge current can be set according to battery capacity installed)		5.7A (Max./Standard unit) 6.0A (Max./Long run unit)				12A (Max.)		18A (Max.)
SYSTEM FEATURES								
Transfer time		Mains to Battery : 0ms; Mains to Bypass : 0ms						
Overload	Line Mode	Load⩽110%: last 60min, ⩽125%: last 10min, ⩽150%: last 1min, ⩾150% turn to bypass mode immediately						
	Bat. Mode	Load⩽110%:last 10min ;Load⩽125%:last1min ;Load⩽150%:last10second ;Load>150%:last1second						
Short circuit		Hold Whole System						
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately						
Low battery voltage		Alarm and Switch off						
Self-diagnostics		Upon Power On and Software Control						
Battery		Advanced Battery Management						
Audible & Visual		Line Failure, Battery Low, Overload, System Fault						
LED & LCD display		Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault						
LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Temperature						
Communication interface		RS232,RS485,Parallel port,Relay card(optional),SNMP card(optional)						
ENVIRONMENTAL								
Operating temperature		0℃~40℃						
Storage temperature		-25℃~55℃						
Humidity range		0~95% (non-condensing)						
Altitude		< 1500m						
Noise level		<55dB		<58dB				
PHYSICAL								
Dimension D × W × H (mm)		780 × 600 × 1200						
Net weight (kg)		HIP33010S:591 HIP33010H:123	HIP33015S:594 HIP33015H:126	HIP33020S:595 HIP33020H:127	HIP33030S:595 HIP33030H:127	158	158	195
STANDARDS								
Safety		IEC/EN62040-1,IEC/EN60950-1						
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8						

Specifications are subject to change without prior notice.

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