

HIP3300 SERIES

10~500kVA

3:3 phase PF:0.8/0.9



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 500kVA for space saving
- Unity power factor and low input distortion
- Output power factor at 0.8(0.9 optional)
- ECO mode for energy saving
- Common or separate battery
- Programmable battery voltage from $\pm 192Vdc$ to $\pm 240Vdc$
- Intelligent charge modes with smart charge current adjustment
- Megatec/Mod Bus protocol supported
- Powerful charger built in
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software



Control Panel

Technical Specifications:

MODEL	HIP3310H	HIP3312H	HIP3316H	HIP3320H	HIP3325H	HIP3330	HIP3340	HIP3350
Capacity (VA/Watts)	100k / 80k	120k / 96k	160k / 128k	200k / 160k	250k / 200k	300k / 240k	400k / 320k	500k / 400k
INPUT								
Nominal voltage	380/400/415Vac, (3Ph+N+PE)							
Operating voltage range	208~478Vac							
Operating frequency range	40~70Hz							
Power factor	≥0.99							
Harmonic distortion (THDi)	3%(100% nonlinear 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 -12%,-20%,-30%) 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(Customized)							
Output frequency	1.Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency(optional) 2.Battery Mode: (50/60±0.2%)Hz							
Crest factor	3:1							
Harmonic distortion (THDv)	≤2% with linear load ≤5% with non linear load							
Efficiency	95%							
BATTERY								
Battery voltage	Standard unit: ±216Vdc; Long run unit Optional Voltage: ±192V / ±204V / ±216V / ±228V / ±240Vdc							
Charge Current(A) (charge current can be set according to battery capacity installed)	30A(Max.)	40A(Max.)	50A(Max.)	70A(Max.)	80A(Max.)	100(Max.)	130A(Max.)	
SYSTEM FEATURES								
Transfer time	Utility to Battery : 0ms; Utility 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 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% shut down UPS immediately						
Short Circuit	Hold Whole System							
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately							
Low battery voltage	Alarm and Switch off							
Self-diagnostics	Upon Power On and Software Control							
EPO (optional)	Shut down UPS immediately							
Battery	Advanced Battery Management							
Nose Suppression	Complies with EN62040-2							
Audible & Visual	Line Failure, Battery Low, Overload, System Fault							
Status LED & LCD display	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault							
Reading on the LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature							
Communication interface	USB,RS232,RS485,Parallel,Intelligent slot,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	<65dB			<70dB		<73dB		
PHYSICAL								
Dimension D × W × H (mm)	850 × 600 × 1600				850 × 600 × 2000		850 × 1200 × 2000	
Net weight (kg)	320	322	360	415	555	590	880	980
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.