

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 $\pm 192\text{Vdc}$ to $\pm 240\text{Vdc}$
- 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:

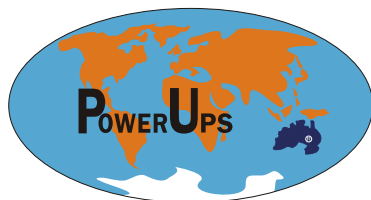
MODEL	HIP3301S/H	HIP33015S/H	HIP33025S/H	HIP33035S/H	HIP3304H	HIP3306H	HIP3308H
Capacity (VA/Watts)	10k / 8k	15k / 12k	20k / 16k	30k / 24k	40k / 32k	60k / 48k	80k / 64k
INPUT							
Nominal voltage	380/400/415Vac, (3Ph+N+PE)						
Operating voltage range	208~478Vac						
Operating frequency range	40~70Hz						
Power factor	≥ 0.99						
Harmonic distortion (THDi)	2%(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 -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	94.5%		95%				
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	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 10min, ≤ 125%: last 1min, ≤ 150%: last 5S, ≥ 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	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	<55dB						
PHYSICAL							
Dimension D×W×H (mm)	780×600×1200						
Net weight (kg)	S:598 H:129	S:600 H:131	S:602 H:133	S:603 H:134	170	172	199
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.

Technical Specifications:

MODEL	HIP3310H	HIP3312H	HIP3316H	HIP3320H	HIP3330	HIP3340	HIP3350
Capacity (VA/Watts)	100k / 80k	120k / 96k	160k / 128k	200k / 160k	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 -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)	24A(Max.)	36A(Max.)	50A(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 10min, ≤ 125%: last 1min, ≤ 150%: last 5S, ≥ 150% shut down UPS immediately			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	70dB				73dB		
PHYSICAL							
Dimension D×W×H (mm)	780×600×1600		850×600×1600		850×600×2000	850×1200×2000	
Net weight (kg)	288	290	371	380	575	815	860
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						

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