

## 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 ±192Vdc to ±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		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 volta	ge	380/400/415Vac, (3Ph+N+PE)								
Operating voltage range		208~478Vac								
Operating frequency range		40~70Hz								
Power factor		≥0.99								
Harmonic dist	tortion (THDi)	2%(100% nonlinear load)								
	(11101)	Max.voltage: 220V +25%(optional +10%,+15%, +20%) 230V 20% (optional +10%,+15%) 240V 15%(optional +10%)								
Bypass voltag	ne range	Min. voltage: -45% (optional +10%,+15%) 240V 15% (optional +10%)								
Dypado voltag	jorango	Frequency protection range: ±10%								
Generator inp	nut.	Frequency protection range: ± 10%  Support								
OUTPUT	out .				Зарроп					
	^	200/400/445\/ (205-14-05)								
Output voltage		380/400/415Vac, (3Ph+N+PE) ± 1%								
Voltage regulation		112								
Power factor		0.8/0.9(Customized)								
Output freque	ency	1.Line Mode: $\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency(optional)								
		2.Battery Mode: (50/60 ± 0.2%)Hz								
Crest factor		3:1								
Harmonic dist	tortion (THDv)	≤2% with linear load								
		≤5% with non linear load								
Efficiency		94.5	5%			95%				
BATTERY										
Battery voltag	je	Standard unit: ±216Vdc; Long run unit Optional Voltage: ±192V\±204V\±216V\±228V\±240Vdc								
Battery type		12V/38Ah (standard unit)								
Charge Curre	ent(A)	5.7A (Max./Standard unit)								
(charge current can be set according		6.0A (Max./Long run unit)				12A (Max.) 18A (Max.)				
to battery capacity installed)		o.or (max/Long fair anit)								
SYSTEM FE	ATURES									
Transfer time				Utility to Bat	ery: 0ms; Utility to b	oypass: 0ms				
0	Line Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% turn to bypass mode immediately								
Overload	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 v	oltage	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 & Vis		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)								
ENVIRONM			0202,110		o.o., .o.ay oara(c		(> +100-1001)			
					0~40℃					
Operating temperature Storage temperature		-25~55°C								
Humidity range		0~95% (non condensing)								
, ,										
Altitude Noise level		< 1500m < 55dB								
					<200B					
PHYSICAL					700					
Dimension D × W × H (mm)  Net weight (kg)		S:598	S:600	S:602	780 × 600 × 1200 S:603	470	470	400		
		H:129	H:131	H:133	H:134	170	172	199		
STANDARD	S			.=	100040 4 := 0 := 1	050 4				
0 1 1	Safety		IEC/EN62040-1,IEC/EN60950-1 IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8							
Safety			0.40 0.15		,	004000 : -:-				

## **Technical Specifications:**

MODEL	Matta)	HIP3310H	HIP3312H	HIP3316H	HIP3320H	HIP3330	HIP3340	HIP3350			
Capacity (VA/ <b>INPUT</b>	vvatts)	100k / 80k	120k / 96k	160k / 128k	200k / 160k	300k / 240k	400k / 320k	500k / 400k			
Nominal volta	ae			380/4	100/415Vac, (3Ph+N	N+PF)					
					208~478Vac	,					
Operating voltage range Operating frequency range		40~70Hz									
Power factor	quarity runga		40~70Hz ≥0.99								
Harmonic dist	ortion (THDi)			30,		.ad)					
iai i i i i i i i i i i i i i i i i i i	ortion (TTIDI)	3%(100% nonlinear load)  May yellaga: 220V +259/ (aptional +109/ +159/ +209/ ) 220V 209/ (aptional +109/ +159/ ) 240V 159/ (aptional +109/ )									
Dunaga valtaa	io rongo	Max.voltage: 220V +25%(optional +10%,+15%,+20%) 230V 20% (optional +10%,+15%) 240V 15%(optional +10%)									
Bypass voltage range		Min. voltage: -45% (optional -20%, -30%)									
0		Frequency protection range: ±10%  Support									
Generator inp	ut				Support						
DUTPUT	-			2004	100/44E\/ /2DI!	\DE\					
Output voltage		380/400/415Vac, (3Ph+N+PE)									
Voltage regulation		±1%									
Power factor		0.8/0.9(Customized)									
Output frequency		1.Line Mode: $\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ 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 voltag	е	S	tandard unit: ±216\	/dc; Long run unit	Optional Voltage: ±	± 192V\ ± 204V\ ± 21	6V\ ± 228V\ ± 240V	'dc			
Charge Curre	· /										
(charge current can be set according		24A(Max.)	Max.)	36A(Max.)	50A(Max.)	80A(Max.)	100(Max.)	130A(Max.)			
	acity installed)										
SYSTEM FE	ATURES										
Fransfer 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, Load≤110%: last 60min,≤125%: last 10min,≤150%: last 5S,≥150% shut down UPS immediately ≤150%: last 1min,≥150% shut down UPS immediately									
Short Circuit		Hold Whole System									
			Line Me				adiataly				
Overheat			Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately								
ow battery vo		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  USB,RS232,RS485,Parallel,Intelligent slot,Relay card(optional),SNMP card(optional)									
Communication			USB,KS232,I	xo460,Parallel,Inte	migerit siot,Relay ca	ru(optional),SNIVIP (	Jard(optional)				
ENVIRONM					0.4000						
Operating temperature		0~40°C									
Storage temperature		-25~55°C									
Humidity range		0~95% (non condensing)									
Altitude		<1500m									
Noise level			70	idB			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			
STANDARD	S										
Safety				IEC/E	N62040-1,IEC/EN6	0950-1					
sarety		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.