

(PAE-HF-3PH) PAE-PWM-II series Online HF UPS 3:3phase 10-60kVA, 1.0PF
(For 380/400/415Vac, Line-Line Voltage)



LONG RUN MODEL



**STANDARD MODEL WITH HAVE SPACE TO
INBUILT BATTERY 12V-7Amp & 9Amp
/ Long Run Option Inbuilt**

Introduction: PAE-HF series 3 phase 10-60kVA is transformer-less a high quality uninterruptible power supply, which has adopted the world leading electrical and electronic technology to increase performance and high reliability(MTBF>200,000h). Being kin to 1.0 input power factor and less than 4% THDi lead this UPS green and energy saving.



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Perfect Applications:

Internet Server, Small and Medium-scale network system / Bank and Securities, Business server group, Precision equipment, Medical, Energy, etc.

Features: complete digital control technology

Fully digital control with DSP chip processor, all the subsystems are digital controlled including the IGBT rectifier, inverter, charger etc.

Excellent electrical properties

True online double conversion instruction offers the safe and effective power protection for various loads, with strong output load capacity;

High input power factor, green and energy-saving

Input PF above 0.99 and efficiency up to 96%;

Output PF 1.0 with 3 level inverter technology

Strong load capability with high efficiency up to 96%

Strong environmental adaptability

Wide input voltage and frequency range, adaptation to all kinds of climatic and geographical environment

Comprehensive protection measures

The adoption of advanced technology (IGBT driving technology, IGBT soft over-current shutdown) improves the reliability and safety of inverter

Intelligent battery management (ABM)

Adopting the intelligent battery management:

Intelligent charger: interval three-stage charging process (constant current, constant voltage, float charging and charger shut off, when battery voltage decrease to a lower level, charger restarts to work)

Online detecting battery status,

The max battery charging current can set by end users according to the battery features, to avoid any damage caused by the big charging current;

Periodic self-test battery, detecting the battery problems timely;

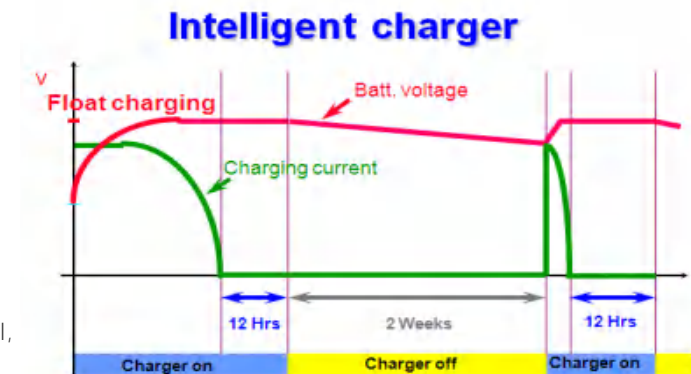
Cold start and AC start Function

Directly start the UPS through battery or start UPS through Mains only.

Superior network monitoring capabilities

Communication port (RS232, USB, and so on) connecting with computer, SNMP card optional,

Friendly interface LED indicators with 7inch touch screen Parallel up to 8 units





Technical specification:

Model	PAE-HF 3310S	PAE-HF 3315S	PAE-HF 3320S	PAE-HF 3330S	PAE-HF 3340S	PAE-HF 3360L
	PAE-HF 3310L	PAE-HF 3315L	PAE-HF 3320L	PAE-HF 3330L	PAE-HF 3340L	
Rate Power	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
Main input	Rate Voltage: 380/400/415VAC(L-L) 220/230/240VAC(L-N) Input range: 304 -478VAC(L-L) full load, 228-478Vac(L-L) ,304 -478VAC(L-L) for full load; 3P5W (3P+N+PE) Rate Freq.: 50/60Hz Input PF: >0.99 THDi: THDi <3% @ 100% Linear load; THDi<6% @ 100%Non- Linear load; Freq. range: 40-70Hz					
Battery/Charger	Rate voltage: ±192-240Vdc settable Model: UPS with internal ,12VDC/7-9Ah,maximum 3*40PCS UPS for external battery,32-40PCS settable Charging capacity: 20% of UPS capacity					
	Rate voltage: 380/400/415VAC(L-L)220/230/240VAC(L-N) Voltage range: Range: -40%- +25% , Settable, default -20% +15%					



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Bypass	Frequency range	50/60Hz Settable $\pm 1\text{Hz}$ $\pm 3\text{Hz}$ $\pm 5\text{Hz}$	
	Rate voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)	
	Rate Freq.	50/60Hz	
	Output PF	1.0	
	Voltage accuracy	$\pm 1.0\%$	
	Load response	<5% (20% - 80% -20% step load)	
	Recovery time	< 20ms (0% - 100% -0% step load)	
	Output THDi	<1% linear load ,<5% non-linear load according to IEC 62040-3	
	Inverter	Overload	110%,1 hour 125%,10 mins 150%,1 min >150%,200ms
		Frequency accuracy	0.1%
Synchronize window		Settable $\pm 0.5\text{Hz}$ - $\pm 5\text{Hz}$ default $\pm 3\text{Hz}$	
Slew rate		Settable 0.5Hz/S-3Hz/S default 0.5Hz/S	
Crest factor		3:1	
Phase Accuracy		$120^\circ \pm 0.5^\circ$	
Efficiency		Normal Mode $\geq 96\%$; Battery Mode $\geq 96\%$	
Display		LED + 7 inch touch LCD	
Certification- Safety		IEC62040-1, IEC60950-1	



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System	Certification- EMS	IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)	
	IP degree	IP20	
	Configuration	USB, RS232, RS485, Dry contact, Air filter	
	Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start	
	Environment	0-40°C (operation) ; -25°C-70°C (storage) ; 0-95% (Humidity, non-condensing)	
Dimension (W*D*H) mm	Internal batteries model	500*864*922(10-40kVA)	
	External battery model	250*530*650	250*782*650

Note: Any subject to change, without further notification.