



GOMEH UPS POWER SYSTEMS

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YAQ33 10-40kVA High Frequency Tower UPS

Introduction:

YAQ33 10-40kVA adopts online double conversion technology, which can completely eliminate all kinds of grid problems and provide customers with stable and pure sinusoidal power supply protection. Innovative design makes these products have unparalleled reliability and high performance. The high input power factor and low input current harmonics ensure the UPS green and environmental protection, and high efficiency ensures the energy saving.

Scenarios:

Small and medium-sized data centers, IT machine rooms, financial institutions, traffic dispatch centers, security monitoring, etc.

Features:

- 1.Wide input voltage range
- 2.Online double conversion technology
- 3.DSP digital control technology
- 4.Output power factor 1
- 5.N+X redundancy
- 6.Communications: RS485/Relay card/USB/SNMP option

10K-40KVA



Benefits:

- 1.Wide input voltage range adapt to harsh power grid
- 2.DSP technology greatly improve the system reliability
- 3.Friendly man-machine interface, easy to operate
- 4.Intelligent battery management extend battery life

MODEL		YAQ33010	YAQ33020	YAQ33030	YAQ33040
Capacity (VA)		10kVA/10kW	20kVA/20kW	30kVA/30kW	40kVA/40kW
Input	Phase	3 Phase 4 Wires and Ground			
	Rated Voltage	380/400/415Vac			
	Operating voltage range	138~485Vac			
	Operating frequency range	40Hz-70Hz			
	Power factor	≥0.99			
	Harmonic distortion	≤3% (100% non-linear load)			
	Bypass voltage range	Max.voltage: 220Vac +25%(optional +10%,+15%,+20%); 230Vac: +20%(optional +10%,+15%); 240Vac: +15%(optional +10%)			
		Min. voltage:-45 %(optional -10%, -20%,-30%)			
Frequency protection range: ±10%					
Generator input	Support				
Output	Phase	3 Phase 4 Wires and Ground			
	Output voltage	380/400/415Vac			
	Power factor	1			
	Voltage regulation	±1%			
	Output frequency	Utility Mode: ±1%/±2%/±4%/±5%±10% optional; Battery Mode:(50/60±0.1%)Hz			
	Crest factor	3:1			
	THD	≤2% with linear load; ≤4% with non linear load			
	Efficiency	95.5%			
Overload	Load≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150% change to bypass				
Battery	Voltage	Internal 40PCS 12V 9AH Full load backup 20mins		Internal 60PCS 12V 9AH Full load backup 20mins	Internal 80PCS 12V 9AH Full load backup 20mins
	Charge Current	Max. 5A		Max. 10A	
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms			
Environment	Operating temperature	0℃~40℃			
	Storage temperature	-25℃~55℃(no battery)			
	Humidity range	0~95% (non condensing)			
	Altitude	< 1500m			
	Noise level	<58dB			
Protection	Alarm	overload, utility abnormal, UPS fault, battery low, etc			
	Protection	short circuit, overload, over temperature, battery low, fan fault alarm			
	Communication	USB, CAN, RS485, FE, LBS, Parallel card, Relay card, SNMP card(optional)			
Physical	UPS Dimension D×W×H (mm)	790*280*720			
	Net weight (kg)	177	178	179	180
Standards		EN62040-1, EN62040-2			