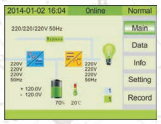
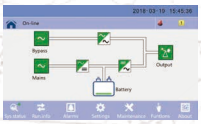




Segment LCD



TFT colourful LCD



7 inch colourful LCD



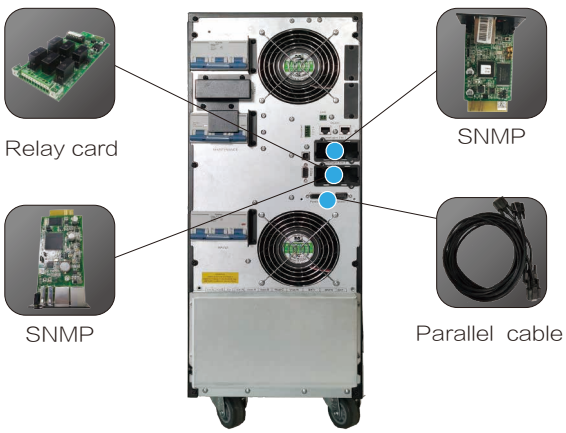
Battery cabinet
(Optional)



Optimized battery configuration
7Ah/9Ah (12V)

Features

- High power density design
- N+X parallel redundancy,support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic:<3%
- Wide input voltage range:208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group,the quantity of battery
  15~30kVA:16/18/20pcs (30~50pcs supportable)
  40kVA:30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (optional for standard unit)
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Cold start
- The output can meet 100% unbalanced load
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm
- Multiple communication interface:USB, RS232,RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional),Battery temperature sensor (Optional)
- IGBT Technology



MODEL		GP-HFK33-15K	GP-HFK33-30K
Capacity		15kVA / 13.5kW	30kVA / 27kW
INPUT			
Nominal voltage		380/400/415Vac (3Ph+N+PE)	
Operating voltage range		305~478Vac(Full load); 208~478Vac(50% load)	
Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)	
Power factor		≥0.99	
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		50/60Hz ± 10%	
ECO range		Same as bypass	
Harmonic distortion (THDi)		≤3% Linear load	
OUTPUT			
Output voltage		380/400/415Vac (3Ph+N+PE)	
Voltage regulation		± 1%	
Power factor		0.9	
Output frequency	Line mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional)	
	Bat. mode	50/60(± 0.1%)Hz	
Transfer time	AC mode to Bat.mode	0ms	
	Inverter to Bypass	0ms	
Output waveform		Pure Sinewave	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load	
Overload	AC mode	≤110%,last 60min; ≤125%,last 10min; ≤150%,last 1min; > 150% turn to bypass Immediately	
	Bat.mode	≤110%,last 10min; ≤125%,last 1min; ≤150%,last 5s; > 150% turn to bypass Immediately	
EFFICIENCY			
Efficiency		up to 94.5%	
BATTERY			
Battery voltage	Standard unit	± 120Vdc (2x20pcs 12V9Ah) (2x20pcs 12V7Ah optional)	± 120Vdc (3x20pcs 12V9Ah) (3x20pcs 12V7Ah optional)
	Long run unit	15~30kVA: ± 96/108/120Vdc; battery quantity(16~20pcs, 16pcs default, Standard unit and 20pcs no power derating;18pcs output power factor 0.8/0.9;16pcs output power factor 0.7/0.8)	
		± 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs supportable)	
Charge Current (charge current can be set according to battery capacity installed)	Standard unit	2.7A	4.05A
	Long run unit	18A Max.	20A Max.
PHYSICAL			
Dimension W × D × H (mm)	Standard unit	250 x 900 x 868	
	Long run unit	250 x 580 x 655	
Net weight (kg)		187/40	236/43
ENVIRONMENTAL			
Operating temperature		0 ~ 40℃	
Storage temperature		-25 ~ 55℃ (No battery)	
Humidity range		0 ~ 95% (Non condensing)	
Altitude		<1500m,derating required when>1500m	
Noise level		<58dB	<61dB
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN62477-1	
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.