

Key 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
10~30kVA:16/18/20pcs (30~50pcs is optional)
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
- ◆ 50/60Hz frequency converter mode
- ◆ The output can meet 100% unbalanced load
- ◆ Multiple protection function: short-circuit, overload, overheat, battery overcharge and over discharge, output low voltage and fan fault alarm
16/18/20pcs (Settable)
- ◆ Multiple communication interface's, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)



GXK-3-3-20-IE		
Capacity	20kVA / 18kW	
	20kVA / 20kW	
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%)	
	Mi. 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
Crest factor	3:01	

Harmonic distortion (THDv)		≤2% Linear load
		≤5% Non linear load
Transfer time	AC mode to Bat.Mode	0ms
	Inverter to Bypass	0ms
Output waveform		Pure Sinewave
Overload	Line Mode	≤110%,last 60min; ≤125%,last 10min; ≤150%,last 1min; > 150% turn to bypass Immediately
	Bypass Mode	≤110%,last 10min; ≤125%,last 1min; ≤150%,last 5s; > 150% turn to bypass Immediately
Efficiency		up to 94.5%
BATTERY		
Battery voltage	Standard unit	±120Vdc (2x20pcs 12V9Ah) (2x20pcs 12V7Ah optional)
	Long run unit	10~30kVA: ±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;) 10~30kVA (Optional):±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)
Charge Current (charge current can be set according to battery capacity installed)	Standard unit	2.7A
	Long run unit	18A Max
ENVIRONMENTAL		
Operating temperature		0 ~ 40°C
Storage temperature		(-25 ~ 55°C (No battery))
Humidity range		0 ~ 95% (Non condensing)
Altitude		<1500m,derating required when>1500m
Noise level		<58dB
PHYSICAL		
Dimension W x D x H (mm)	Standard unit	250 x 900 x 868
	Long run unit	250 x 580 x 655
Net weight (kg)		187/40
STANDARDS		
Safety		EC/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