



KEY FEATURES:

- IGBT Inverter with Inverter Isolation Transformer
- IGBT Rectifier with 0.99 input PF
- Output PF @0.9 for more power delivery
- Smaller Foot print ~ 20% less than others
- Adjustable Battery 48 to 52 batteries
- Touch graphic LCD display with MIMIC for easy operation and monitoring
- ECO mode operation for energy saving
- Front opening for easy service access
- Generator Rating can be just 1.2 x UPS rating
- 100% Unbalance Load Capability

AVAILABLE OPTIONS:

- Alencloud App - IoT kit
- Parallel Redundancy Function (x 6 units)

MODEL	HX-80	HX-100	HX-120	HX-160	HX-200	HX-250	HX-300
Rated capacity	80kVA/72kW	100kVA/90kW	120kVA/108kW	160kVA/144kW	200kVA/180kW	250kVA/225kW	300kVA/270kW
INPUT							
Rated voltage	400 Vac						
Voltage range	346V ~ 475V (Full Load) 304V ~ 346V (Power derating 10%)						
Rated Frequency	50 / 60 Hz						
Frequency range	50 / 60 Hz±5Hz						
Power factor	≥ 0.99						
Delayed start of Rectifier	10s (1 ~ 300 settable)						
Bypass voltage range	±20% (settable)						
OUTPUT							
Rated voltage	380 / 400 / 415 Vac						
Voltage regulation	±1%						
Frequency	±0.1% in battery mode						
Waveform	Sinusoidal						
Crest factor	3:1						
Total Harmonic Distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)						
Inverter Overload capability	105% ~ 110% for 60 min, 111% ~ 125% for 10 min						
BATTERIES							
DC Voltage	600 Vdc (supports 576 Vdc / 588 Vdc 612 Vdc)						
Number of battery	50 pcs (supports 48 / 49 / 51 / 52 pcs)						
Charging Current	Charging rate (settable) x battery capacity (setable) x number of battery group (settable)						
Battery Self-Test	Settable periodic self-test; manually configurable test time and voltage						
SYSTEM							
Efficiency	≥ 93% in Line mode ≥98% in ECO mode			≥ 94% in Line mode ≥98% in ECO mode			
Max. no. of parallel connections	6						
Protections	Short-circuit, Over load, Over Temp, Battery Low Voltage, Over Voltage, Under Voltage & Fan Failure						
Communications	Standard configuration: RS232, RS 485, Dry contacts Optional configuration: SNMP						
IP rating	IP 20						
Display	5.7 inches LCD touch screen						
OTHERS							
Operating environment	0°C~40°C						
Storage temp	-25 °C~55°C(without battery)						
Relative humidity	5% ~95%(non-condensing)						
Altitude	≤ 1000 m; derating 1% for each additional 100 m			≤ 1000 m; above 1000 m, downgrading 1% for each additional 100 m			
Noise level at 1m	≤ 65 dB						
Dimensions (W x D x H) (mm)	800 x 800 x 1800			800 x 860 x 1700	1210 x 860 x 1950		
Weight (kg)	580	630	680	790	1135	1275	1355