



Segment LCD

TFT colourful LCD

7 inch colourful LCD

Features

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: $\leq 3\%$
- Wide input voltage range: 208~478Vac
- Wide input frequency range 40~70Hz
- 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
- 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, Dry contact, Intelligent slot, Parallel port (Optional), SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)



Relay card



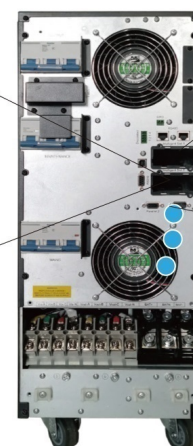
SNMP



SNMP



Parallel cable



SPECIFICATIONS

MODEL		HD-10Ki/10KH3	HD-15Ki/15KH3	HD-20Ki/20KH3	HD-30Ki/30KH3	HD-40Ki/40KH3
Capacity		10kVA / 9kW	15kVA / 13.5kW	20kVA / 18kW	30kVA / 27kW	40kVA / 36kW
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		+25%~-45%				
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%				
	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%: 60min; ≤125%: 10min; ≤150%: 1min; > 150% turn to bypass Immediately				
	Bat.mode	≤110%: 10min; ≤125%: 1min; ≤150%: 5s; > 150% turn to bypass Immediately				
EFFICIENCY						
Efficiency		up to 93.5%	up to 94.5%			
BATTERY						
Battery voltage	Ki series	240Vdc (20pcs 12V/9Ah)	240Vdc (2x20pcs 12V9Ah)		240Vdc (3x20pcs 12V9Ah)	360Vdc (2x30pcs 12V9Ah)
	KH3 series	240Vdc; battery quantity (20pcs)				384Vdc; battery quantity (32pcs)
Charge Current	Ki series	1.35A	2.7A		4.05A	2.7A
	KH3 series	14A Max.	16A Max.	18A Max.	20A Max.	20A Max.
PHYSICAL						
Dimension W×D×H (mm)	Ki series	250 x 900 x 868				
	KH3 series	250 x 580 x 655				
Net weight (kg)		129/35	186/39	187/40	236/43	239/46
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		<55dB		<58dB	<61dB	<64dB
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 notice