



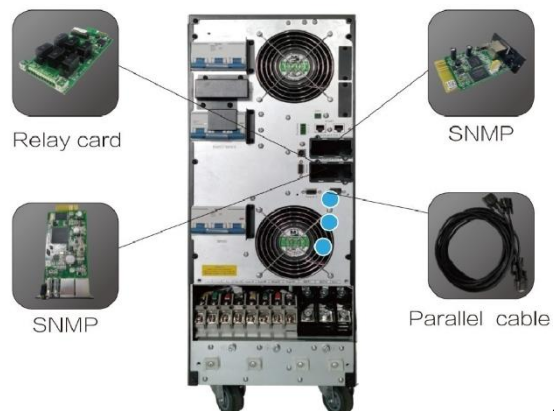
Segment LCD

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 and 3 level technology/VFI-SS-11
- Input current harmonic:  $\leq 3\%$
- Wide input voltage range: 208 - 478Vac
- Wide input frequency range: 40 - 70Hz
- 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. Warning by sound and flash when UPS battery mode, overload, low battery, overvoltage, fault...
- 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% unbalance 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)



2023@version

## SPECIFICATIONS

Power range: 30KVA

MODEL		HD-30KP3
Capacity		Tower case 30KVA/30KW
<b>INPUT</b>		
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%(setting via LCD panel)
Frequency protection range		50/60Hz ±10%
ECO range		Same as Bypass
Harmonic distortion (THDi)		≤3% Linear load
<b>OUTPUT</b>		
Output voltage		380/400/415Vac (3Ph+N+PE) selectable
Voltage regulation		±1%
Power factor		1.0
Output frequency	Line mode	50/60Hz ±1% Synchronized to bypass in mains mode
	Bat. Mode	50/60 (±0.1%)Hz
Transfer time		0ms
Output waveform		Pure Sinewave
Crest factor		3:1
Harmonic distortion (THDv)		≤2% linear load; ≤5% non-linear load
Overload	AC/Inverter mode	≤110%: 60min; ≤125%: 10min; ≤150%: 1min; >150% turn to bypass immediately/shutdown
	BAT mode	≤110%: 10min; ≤125%: 1min; ≤150%: 10s; >150% turn to bypass immediately/shutdown
Protections		Short-circuit, overload, overtem, over-undervoltage, overcharge, BAT discharge and fan testing
Alarm		BAT mode, low BAT, fans fault etc.
<b>EFFICIENCY</b>		
Efficiency at 100% load		Oline mode ≥94.5%; ECO mode 98%
Communications		Standard with RS232(UPS monitoring&system shutdown) & EPO/RS485/ Dry contact; Optional for: SNMP card (Simple network monitoring protocol), Modbus card, dry contact; Support Windows 2003/XP/2008/7/8/10
<b>BATTERY</b>		
Battery type/Battery pack		240VDC/VRLA / Battery pack with 20pcs(depending on request)
Charge current		1~20A setting via LCD panel
Backup time		Depend on the capacity of battery
<b>PHYSICAL</b>		
Dimension W*D*H (mm)		250*580*655
Net weight UPS(kg)		43
<b>ENVIRONMENTAL</b>		
Operating/storage temperature		0 ~ 40°C/ -25 ~ 55°C
Humidity range		0 ~ 95% (non condensing)
Altitude		<1500m, derating required when >1500m
Noise level		<61dB
<b>STANDARDS</b>		
EMI		IEC/EN62040-1-2, IEC/EN62477-1
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6

\*\*\* Specifications are subject to change without notice