



# **HT Series High Frequency Online UPS**











#### Model: 10 ~ 120KVA

Nominal voltage: 380 / 400 / 415VAC

Frequency range: 50/60Hz

Output Power factor: 0.8 or 0.9

### Reduce the investment cost saving valuable space:

HT Series UPS represents the best solution that is both cost effective and environmental friendly, It delivers an excellent integrated autonomy, reduced footprint and optimum input and output performances, guaranteeing reliable and flexible power.

#### **Key Features**

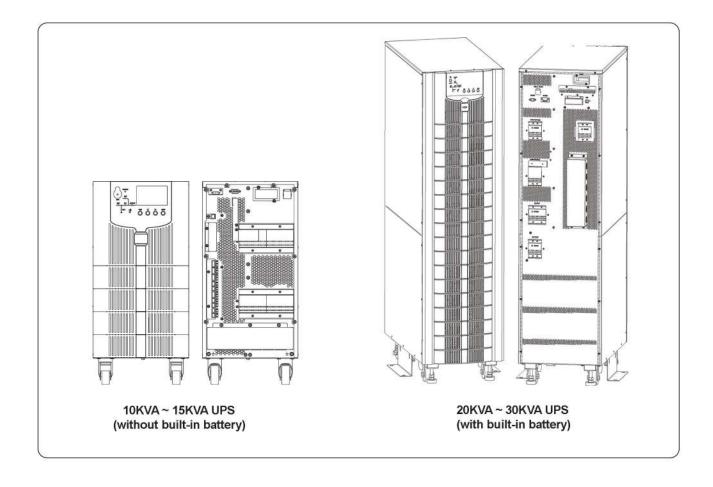
- True double-conversion
- · DSP technology guarantees high performance
- Output power factor 0.8 or 0.9
- · Wide input voltage range
- Active power factor correction in all phases with PF > 0.99 and THDi < 3%</li>
- 50Hz/60Hz frequency converter mode
- · ECO mode operation for energy saving
- Modular Subsystem design for convenice of field maintenance
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- · Intelligent battery management to prolong battery life-span
- · Battery temperature compensation option available
- · Maintenance bypass available
- Optional N+X parallel redundancy (up to 6 UPS)

#### **High Reliability**

- Its cut-edge digital control technology of DSP (Digital Signal Processor) can deliver higher quality, performance and reliability
- Higher payload and overload capability, better load compatibility, and suitable for various load types
- Powerful Interference immunity capability in compliance with requirements of EMI: IEC62040-2 and EMC: IEC61000-4-2(ESD), IEC61000-4-3(RS), IEC61000-4-4 (EFT), and IEC61000-4-5(Surge), deliver a clean power source

#### Compact Design, Lower Noise

 With leading control technology and craftsmanship, it can greatly increase the power density and thus reduce the footprint or occupy less space. Additionally, its lower noise during operation offers you a more comfort working environment.

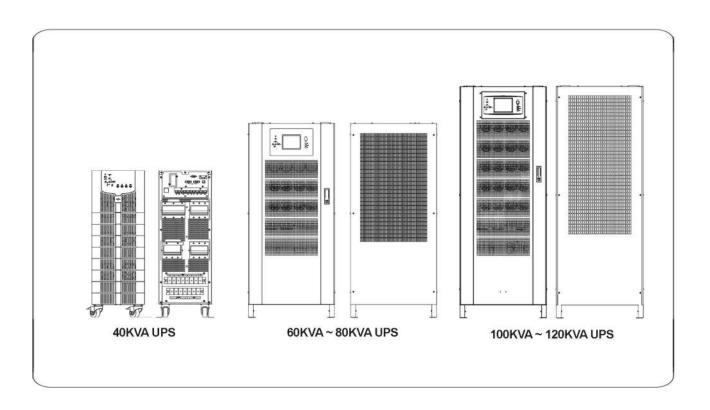


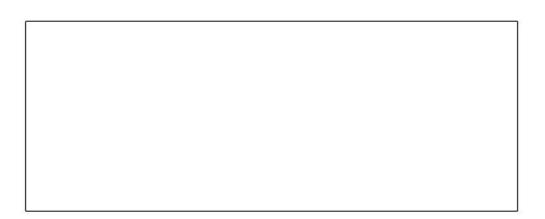


## HT Series Online UPS 10KVA to 120KVA (3-Phase / 3-Phase)

### **Technical Specifications**

Model		HT10K-33	HT15K-33	HT20K-33	HT30K-33	HT40K-33	HT60KS-33	HT80KS-33	HT90KS-33	HT100KS-33	HT120KS-33
Interest	L	HT10KS-33	HT15KS-33	HT20KS-33	HT30KS-33	HT40KS-33		No. 1 Section 14 - A			100000000000000000000000000000000000000
Capacity		10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	90KVA	100KVA	120KVA
Main Input						Security Start Cont.	en management woman w				
Input Voltage		415V (line to line) 50 / 60Hz									
Input Connection		3Ph + N + PE									
Power Factor		>0.99									
Input Voltage Window		-27%, -15%, or 300V ~ 477V									
input voitage window		-20% ~ -40%, power derating between 100% to 70%									
Frequency Window		40 ~ 70Hz									
Bypass Input											
Process Voltage		380V / 400V / 415V / 420V / 440V, 3-Ph									
Bypass Voltage		220V / 230V / 240V / 250V, 1-Ph									
Bypass Voltage Window		-20% ~ +15%, full load									
Frequency Window		±5Hz, settable									
Battery											
Battery Voltage						+192\/DC	~ +240V/DC				
Charger Power		±192VDC ~ ±240VDC									
Charger Voltage Precision		20% * Power 1%									
	recision	AS .				1	70				
Output		F-									
Output Voltage Precision  Output Voltage Transient		380V / 400V / 415V / 420V / 440V ±1% (balance load), ±1.5% (unbalance load), 3-Ph									
		220V / 230V / 240V / 250V (balance load), ±1.5% (unbalance load), 1-Ph									
		5% (0 ~ 100% load step)									
Voltage THD (Total Harmonic Distortion)		THD < 1.5% (linear load), THD < 5% (non linear load)									
Power Factor		0.8 or 0.9									
Frequency Tracking Range		50 / 60Hz ± 3Hz, adjustable									
Frequency Precision (Free Running)		±0.02%									
Phase Tolerance		120°± 0.5° (balance and unbalance load)									
		± 1%									
Volatge Unbalance degree (100% Unbalance Load)		988 M S M M M A 97 M M M M M M M M M M M M M M M M M M									
Frequency Tracking Speed		0.5Hz/s to 5Hz/s, adjustable									
Crest Factor  Overload Capability		3:1									
		102%, long time operation									
		110%, transfer to bypass after 1 hour									
		125%, transfer to bypass after 10 minutes									
		150%, transfer to bypass after 1 minute									
		> 150%, transfer to bypass after 200ms									
Bypass Overload Capability		125%, long time operation									
		125% < load < 130%, last for more than 1 hour									
		130% < load < 150%, last for more than 6 minutes									
		> 100% - load - 150%, last for more than 100ms									
System											
- Cystom		2				Normal M	Inde: 95%				
System Efficiency  Battery Mode Efficiency		Normal Mode: 95%									
		ECO Mode: 98%									
		95%									
Battery Configuration		12V, 32pcs (32 ~ 44pcs acceptable)									
Display		LCD + LED, keyboard LCD + LED, touch screen and keyboard									
EMI		IEC62040-2									
EMC Insulation Resistance		IEC61000-4-2 (ESD)									
		IEC81000-4-3 (RS)									
		IEC61000-4-4 (EFT)									
		IEC61000-4-5 (Surge)									
		> 2M (500V DC)									
Dielectric Strengh		(Input, output to PE) 2820V DC, leakage current lower than 3.5mA, no flashover in 1 minute									
		CONTRACTOR OF CONTRACTOR CONTRACT									
Surge Protection		Comply with IEC60664-1 class IV, endure surge of 1.2 / 50us + 8 / 20us higher than 6KV / 3KA									
IP Class		IP20									
Interface (Communication Ports)		Standard: RS232, RS485; Optional: Dry contacts, SNMP card, EPO, Generator interface									
Installation / Connection		Top or bottom cable connection									
Operation Temperature		0°C ~ 45°C									
Relative Humidity		0 ~ 90% (No condensing)									
Noise (dB)							5dB				
Physical							ensil				
TO SOCIETY OF STATE O		51.5	/28	89 / 48	89 / 52	140 / 57	170	210	231	210	266
		50000	20053	339,500,90,41	88 x 1335	500 x 800 x 1400	170	210	201	210	200
Weight (KG)	Standard LIDS Madula	250 4 0									
Dimension W x D x H (mm <sup>3</sup> )	Standard UPS Module S-Model UPS Module	250 x 84 250 x 74	TOTAL CONTRACTOR OF THE PARTY O		45 x 770	250 x 900 x 770	600 x 980 x 950	600 x 980 x 1150	600 x 980 x 1400	600 x 980 x 1150	600 x 980 x 14











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