## ONLINE UPS

10Kva - 800Kva [3:3 Phase]



## **SPECIAL FEATURES:**

- True on-line dual conversion design
- Generator Compatible
- All Protections over/low-voltage, overcurrent, overload
- Intelligent Battery Management, extended battery life
- Intelligent Self diagnose function, all kinds of fault protection
- Modularized design of subsystems
- Bypass back feed protection, battery leakage protection
- Parallel Redundancy design, increase the system reliability
- Customizable wide input voltage range
- Large size input LCD display on front panel





## **APPLICATION:**

- ⊙ IT device ⊙ Data center ⊙ Telecommunication ⊙ Industry ⊙ Computers room
- Precision instrument
   Intelligent equipment
   Server, router, network device.

	ical Specif	ications:	(3:3 Pha <u>se</u>									
	Model	3P10K	3P15K	3P20K	3P30K	3P40K	3P60K	3P80K				
Capacity (VA		10K/8K	15K/12K	20K/16K	30K/24K	40K / 32K	60K / 48K	80K / 64K				
NPUT	, ,	27. 22.72 20.72 20.72 20.72 20.72										
Nominal voltage		380/400/415Vac, (3Ph+N+PE)										
	oltage range		208~478Vac									
Operating frequency range		40 ~ 70Hz										
Power factor		40 ~ 70H2 ≥0.99										
	stortion (THD)	2%(100% nonlinear load)										
iai i i i i i i i i i i i i i i i i i i	stortion (TTD)											
Bypass voltage range		Max. Voltage: 220V +25% (optional +10%, +15%, +20%) 230V 20% (optional +10%, +15%) 240V 15% (optional +10%), Min voltage: -45% (optional -20%, -30%), Frequency protection rage: ±10%										
Generator input		Support										
DUTPUT												
Output volta	ige	380/400/415Vac, (3Ph+N+PE)										
Voltage regulation		±1%										
ower factor	r		0.8/0.9 (Customized)									
Output frequency		1.Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (optional) 2.Battery Mode: (50/60±0.2%)Hz										
Crest factor		3:1										
		≤2% with linear load										
Harmonic distortion (THDv)		≤5% with mon linear load										
fficiency			94.5% 95%									
BATTERY												
Battery volta	age		Standard unit: ±216	Vdc: Long run unit O	ptional voltage: ±1	92V\±204V\±216	5V\±228V\±240V	dc				
Battery type	_	Standard unit: ±216Vdc; Long run unit Optional voltage: ±192V\±204V\±216V\±228V\±240Vdc  12V/38Ah (standard unit)										
Charge Curre				12.7/5	oo iii (Stanaara aiii	-						
(charge current can be set		5.7A (Max./Standard unit)										
according to battery capacity		6.0A (Max./Standard unit) 12A (Max.) 18A (Max						x.)				
installed)		O.OA (Wax.) Long run unit)										
SYSTEM FEA	TURES											
ransfer time				Litility to Dotto	r . Omer I Itility to b	unacci Ome						
		Utility to Batter : 0ms; Utility to bypass: 0ms										
Overload		Load ≤110%: last 60min, ≤125%: last 1min, ≥150% turn to bypass mode immediately										
Overload	Line Mode											
Overload	Line Mode Bat. Mode		Load ≤110%: la Load ≤110%: last 10	min, ≤125%: last 1m	in, ≤150%: last 5S,			ly				
	Bat. Mode			min, ≤125%: last 1m				ly				
hort circuit	Bat. Mode		Load ≤110%: last 10	min, ≤125%: last 1m	in, ≤150%: last 5S, ld Whole System	≥150% shut dow	n UPS immediate	ly				
short circuit Overheat	Bat. Mode		Load ≤110%: last 10	min, ≤125%: last 1m Ho e: Switch to Bypass;	in, ≤150%: last 5S, ld Whole System	≥150% shut dow	n UPS immediate	ly				
Short circuit Overheat Ow battery	Bat. Mode		Load ≤110%: last 10	min, ≤125%: last 1m Ho e: Switch to Bypass; Ala	in, ≤150%: last 5S, ld Whole System Backup Mode: Shu	≥150% shut dow ut down UPS imm	n UPS immediate	ly				
hort circuit Overheat ow battery self-diagnost	Bat. Mode  voltage tics		Load ≤110%: last 10	min, ≤125%: last 1m Ho e: Switch to Bypass; Ala Upon Powe	in, ≤150%: last 5S, ld Whole System Backup Mode: Sho rm and Switch off	≥150% shut dow ut down UPS imm Control	n UPS immediate	ly				
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Specifications are subject to change without prior notice.

Manufacturer





<b>Technical Speci</b>	ification	is: (3:3	Phase)								
Model	3P100K	3P120K	3P160K	3P200K	3P300K	3P400K	3P500K	3P600K	3P800K		
Compaits (VA (Martin)	100KVA/	120KVA/	160KVA/	200KVA/	300KVA/	400KVA/	500KVA/	600KVA/	800KVA/		
Capacity (VA/Watts)	90KW	108KW	144KW	180KW	270KW	360KW	450KW	540KW	720KW		
INPUT				"		1			_		
Operating Voltage range				380/400/415V	ac (-25%/+20%	), (3Ph+N+PE)					
Operating frequency range					50/60Hz (±5Hz)						
Power factor		>0.9	(with filter)				>0.85				
ОИТРИТ											
Output voltage				380/	400/415Vac (±	1%)					
Max. output current	152A	182A	243A	304A	456A	608A	760A	912A	1216A		
Output frequency				50	0/60Hz (± 0.05%	6)					
Harmonic distortion (THD)				<	2% (linear load	)					
Crest factor					3:1 (Max.)						
Efficiency	>92%	>92%	>92%	>92.5%	>93%	>94%	>95%	>95%	>96%		
BYPASS											
Rated voltage	380/400/415Vac										
Rated frequency				50/60	OHz (auto – sen	sing)					
Voltage protection range	Upper limit: +20% (+10%, +15%, +20% adjustable)										
	Lower limit: -40%,(-10%, -20%, -30%, -40% adjustable)										
Frequency protection range				± 10% (±2.5%,	±5%, ±10%, ±20	0% adjustable)					
BATTERY											
Battery voltage			384Vdc				480Vdc				
SYSTEM FEATURES											
Transfer time	Oms (Line mode ↔ Battery mode)										
Overload					, 125%/10min,						
LED display				• • • • • •	,, , , , , , , , , , , , , , , , , , ,	, Output, Status					
LCD display		I/O voltage	e, frequency, p	-	ttery voltage, c s, history record	urrent, battery d, settings	status, load p	ercentage,			
Communication interface		Dry contact, RS232, RS485, SNMP card (Optional)									
Optional		Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor,  Bypass current- sharing inductor									
ENCIRONMENTAL				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>						
Operating temperature	0~40°C										
Storage temperature	-25°C ~ 55°C										
Humidity range	0 ~ 95% (non-condensing)										
Altitude	<1500m										
Noise level	<65dB <70dB										
PHYSICAL					,						
Dimension W x D x H (mm)	1160x805x1600 (6P) 1520x830x1600 (12P)		1400x945x1900 (6P) 1640x1040x1900(12P)		1640x1040x1900(6P) 1760x1040x1900(12P)		2800x1040x1900(12P)		3900x1100 X1950(12P)		
Net weight (KG)	800/1100	903/1250	1219/1774	1425/1893	1780/2580	2050/3050	3700	4500	6400		
Shipping weight (KG)	890/1190	993/1293	1349/1954	1555/2073	1950/2850	2200/3300	3950	4750	6700		
STANDARDS											
Safety	IEC/EN62040-1; IEC/EN60950-1										
EMC IEC/EN602040-2; IEC61000-4-2: IEC61000-4-3; IEC61000-4-4;											
LIVIC	IEC61000-4-5; IEC61000-4-6; IEC 61000-4-8										

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Manufacturer

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