

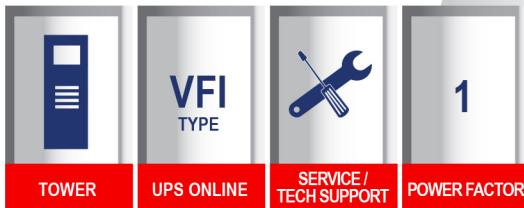
UP3000-G5

10-60kVA

3-level technology

Parallel operation

DSP Technology



THE RE-ENGINEERED & MORE POWERFUL 5th GENERATION UP3000 SERIES



The UP3000-G5 series is designed to withstand all types of loads found typically in Telecom, Data Centre, Banking & Laboratory applications.

ISO9001 ISO14001 ISO45001
CERTIFIED

GENERAL SPECIFICATIONS

- High frequency on-line double conversion technology
- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 96%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50 I 60 Hz auto-sensing frequency
- 50 I 60 Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery numbers: 32- 40 pcs
- Digitally controlled charger
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event logs for future check
- Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
- Optional SNMP card, WI-FI card, GPRS card, SMS alarms

UP3000-G5 | 10-60kVA

MODEL	UP3010-G5		UP3020-G5		UP3030-G5		UP3040-G5		UP3050-G5		UP3060-G5	
Capacity	10 kW		20 kW		30 kW		40 kW		50 kW		60 kW	
INPUT												
Phase	3:3/3:1 / 1:1											
Rated Voltage	220/230/240Vac {L-N} 380/400/415Vac											
Voltage range	132-275Vac(L-N) 228-478Vac											
Rated frequency	50 / 60 Hz											
Frequency range	40 ~ 70Hz											
Power factor	>0.99											
By-pass voltage range	-Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%											
By-pass frequency range	Selectable, ±1 Hz, ±3Hz, ±5Hz											
Input current TH Di	<3% (linear load)											
By-pass overload	125%: long term operation; 125%-130%: 1 Omin; 130%-150%: 1 min; 150%-400%: 1 s; >400%, less than 200ms											
OUTPUT												
Rated voltage	220/230/240Vac (L-N) 380/400/415Vac (3<1> + N + PE)											
Voltage precision	±1 % (linear load)											
Frequency	Synchronized with utility in mains mode, 50/60 Hz± 0.1 Hz in battery mode											
Waveform	Sinusoidal											
Power factor	1											
Total harmonic distortion (THDv)	<1 % (full linear load); <3% (full non-linear load according to IEC/EN62040-3)											
Crest factor	3:1											
Overload	<110%, 60min; 110%-125%, 1 Omin; 125%-150%, 1min; >150%, 200ms											
BATTERIES												
DC voltage	Long time model: ±240VDC (selectable, 32 - 40pcs)											
Standard model battery voltage	(10+10) x 9AH	(20+20) x 7AH	(20+20) x 9AH	(15+15) x 9AH x2 strings	(20+20) x 9AH x2 strings	(20+20) x 9AH x2 strings				<i>I</i>		
Charging current	10AMax.							15AMax.		20AMax.		
Charger voltage precision	1%											
SYSTEM												
Display	5 inches touch screen											
Efficiency	95% Max.							96% Max.				
Transfer time	0 ms.											
Max. number of parallel connections	4											
Interface	Standard: RS232, RS485, USB, battery cold start Option: programmable dry contact, SNMP, parallel kit											
ENVIRONMENT												
Operating temperature	0° ~ 40°C											
Storage temperature	-40° ~ 70°C											
Relative humidity	0° ~ 95°C (non-condensing)											
Altitude	< 1000 m, load derated 1% per 100m from 1000 ~ 2000m											
Noise level at 1m	58dB Max.					62dB Max.						
OTHERS												
Dimensions (W x D x H) mm	250 x 720 x 560 (S) 250 x 720 x 560 (H)	250 x 800 x 700 (S) 250 x 720 x 560 (H)			250 x 840 x 930 (S) 250 x 840 x 650 (H)		350 x 800 x 1280 (S) 250 x 720 x 560 (H)		250 x 790 x 560 (H)			
Packaged dimensions (W x D x H) mm	350 X 800 X 722 (S) 350x800x718(H)	350 X 900 X 862 (S) 350 X 800 X 718 (H)			350 X 950 X 1102 (S) 350 X 980 X 810 (H)		450 X 900 X 1400 (S) 350 X 800 X 718 (H)		350 X 850 X 818 (H)			
Nett weight (kg)	82 (S) 31 (H)	131 (S) 33(H)		145(8) 33(H)		215 (S) 42 (H)		300 (S) 42 (H)		48(H)		
Gross weight (kg)	93 (S) 40 (H)	142 (S) 42 (H)		156 (S) 42 (H)		227 (S) 52 (H)		310 (S) 52 (H)		58 (H)		

- S means standard model, H means long time model.
- derate capacity to 90% when the number of batteries is set to 32 pcs for 40kVA/60kVA model.

- Custom-made specifications are acceptable.
- All specifications are subject to change without notice.
- Derate capacity to 60% when used at 3: 1.