

UP3000-G5

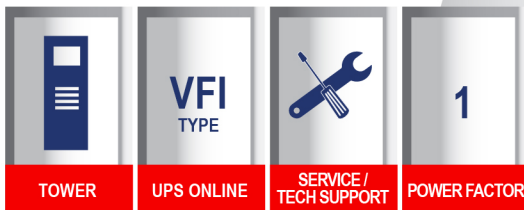
80 - 200 kVA

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

3-level technology

Parallel operation

DSP Technology



APPLICATIONS

The UP3000-G5 series is designed to withstand all types of loads such as:

- IDC data exchange room
- ISP computer room
- Bank / bond clearing centre
- Industrial process control applications
- Precision instruments and equipment

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 | 60 Hz auto-sensing frequency
- 50 | 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
- Automatic dust removal function, reduce the risk of PCB corrosion

UP3000-G5 | 80-200kVA

MODEL	UP3080-G5		UP30100-G5	UP30120-G5	UP30160-G5	UP30200-G5
Capacity	80 kW		100 kW	120 kW	160 kW	200 kW
INPUT						
Rated Voltage	380 / 400 / 415 Vac (3Φ + N + PE)					
Voltage range	304-478Vac, full load 228V-304Vac, load decrease linearly according to the min phase voltage					
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 THDi	<3% (linear load)					
By-pass overload	125%: long term operation; 125%-130%: 10 min; 130%-150%: 1 min; 150%-400%: 1s; >400%, less than 200ms					
OUTPUT						
Rated voltage	380 / 400 / 415 Vac (3Φ + 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%, 10min; 125%-150%, 1min; >150%, 200ms					
BATTERIES						
DC voltage	±240VDC(Selectable, 32-40pcs)					
Charging current	30A	40A			60A	
Charger voltage precision	1%					
SYSTEM						
Display	Default: 5 inch touch screen			Default: 7 inch touch screen		
Efficiency	96%					
Transfer time	0 ms.					
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)					
Noise level at 1m	<70dB					
Altitude	< 1000 m, load derated 1% per 100m from 1000 ~ 2000m					
OTHERS						
Dimensions (W x D x H) mm	360 X 733 X 1185	360 X 808 X 1185			440 X 833 X 1250	
Packaged dimensions (W x D x H) mm	450 X 830 X 1351	460 X 950 X 1343			540 X 950 X 1408	
Nett weight (kg)	141	160			230	
Gross weight (kg)	149	170			239	