

UPS ONLINE TOWER G1K – G2K – G3K

1KVA – 2KVA – 3KVA
PF 0.9



Specifications

MODEL	G1K			G2K			G3K			
Capacity	1 KVA / 900 W			2 KVA / 1800 W			3 KVA / 2700 W			
INPUT										
Rated voltage	200V/208V/ 220V/ 230V/ 240Vac									
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)									
Frequency	40 ~ 70 Hz (auto-sense)									
Power factor	≥ 0.99									
Bypass voltage range	-25% ~ +15% (settable)									
OUTPUT										
Voltage	200V/208V/ 220V/ 230V/ 240Vac (settable via LCD)									
Voltage regulation A VR	± 1%									
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)									
Waveform	Sinusoidal									
Crest factor	3:1									
Harmonic distortion	≤ 2% (linear load); ≤ 5% (non-linear load)									
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)									
Overload capability	105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms									
EFFICIENCY										
Mains mode	≥ 90%			≥ 91%			≥ 92%			
Battery mode	≥ 85%			≥ 86%			≥ 87%			
ECO mode	≥ 95%			≥ 96%			≥ 97%			
BATTERIES										
DC voltage	24 V	36 V	36 V	48 V	72 V	72 V	72 V	96 V	96 V	
Inbuilt battery of standard model	2 × 9 Ah	3 × 7 Ah	/	4 × 9 Ah	6 × 7 Ah	/	6 × 9 Ah	8 × 7 Ah	/	
Charging current (max.)	1 A		6 A		1 A		6 A		6 A	
Recharge time	8 h / 4h									
ALARMS (abundant LCD alarm codes, Display messages and beep sounds)										
Utility failure / battery mode	4 s per beep									
Low battery / battery abnormal	1 s per beep									
Overload	1 s twice beep									
UPS fault	Long beep									
COMMUNICATIONS										
RS232 (standard) / USB (optional)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10									
SNMP (optional)	Power management from SNMP manager and web browser									
OTHERS										
Operating temperature	0 ~ 40°C									
Relative Humidity	0 ~ 90% (non-condensing)									
Noise level	≤ 50 dB (1m)									
Dimensions (W × D × H) (mm)	144 x 336 x 214	144 x 414 x 214	144 x 336 x 214	191 x 418 x 335	191 x 418 x 335	191 x 418 x 335	191 x 418 x 335	191 x 464 x 335	191 x 418 x 335	
Packaged dimensions (W × D × H) (mm)	232 x 417 x 318	231 x 492 x 316	232 x 417 x 318	318 x 533 x 471	318 x 533 x 471	318 x 533 x 471	318 x 533 x 471	320 x 573 x 471	318 x 533 x 471	
Net weight (kg)	9.5	13	6	18	25.7	10.5	27.2	32	11	
Gross weight (kg)	10.5	14.2	7	19.5	27.4	12	29	34	12.5	

● Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac.
● S means standard model, H means long time model.

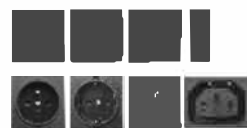
● All specifications subject to change without notice.
● Custom-made specifications are acceptable.

Features

- High frequency and true double-conversion
- DSP (Digital Signal Processors) technology
- Input power factor correction (PFC)
- AVR with Wide input voltage range (110V-300V)
- Output power factor 0.9
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable via LCD
- Power-on self test
- High/low voltage protection
- Sockets on rear panel : 2-4 schuko sockets German standard, optional other socket types
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Auto control fan speed when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB / SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional built-in isolation transformer

Rear Panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlet
6. Fan
7. RS232
8. USB (optional)
9. EPO (optional)
10. SNMP/AS400 (optional)



Optional sockets

