

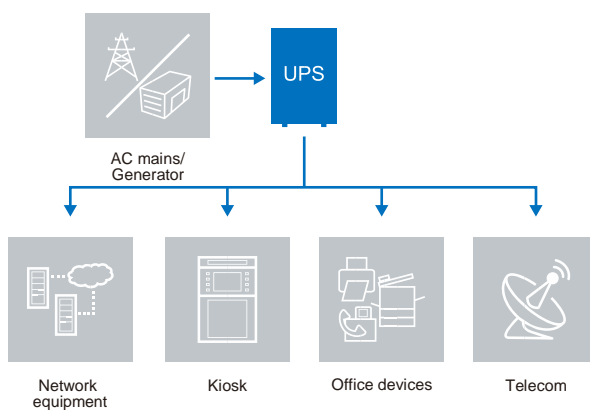
Aviem Power G2

1K/2K/3K/1KL/2KL/3KL



Key Features

- True double-conversion design with high adaptability to harsh mains conditions
- Output power factor 0.9
- DSP design enables precise and reliable control
- Compact size and ideal solution for Kiosk backup power
- High efficiency results in energy saving
- Programmable LCD display
- Recharge to 90% battery capacity within 4 hours • USB HID enables communication without software Typical Application



Aviem Systems LTD.

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Specification

Model		Power G2 1K	Power G2 1K L	Power G2 2K	Power G2 2K L	Power G2 3K	Power G2 3k L
Capacity		1000VA/900W		2000VA/1800W		3000VA/2700W	
Input	Input Voltage Range	100 ~ 300 V _{AC}					
	Frequency Range	45 Hz– 55 Hz/54 Hz – 66 Hz					
	Input Wiring	Single phase with ground					
	Current Distortion (THDi)	5% (typical) @ 100% linear load					
Output	Output Power Factor	0.9					
	Nominal Output Voltage	220/230/240V _{AC}					
	Voltage Regulation	±2 %					
	Frequency Range (Battery Mode)	50 / 60 ± 0.05Hz					
	Current Crest Ratio	3:1					
	Voltage Distortion (THDv)	< 2% @ linear load, < 6%@ non-linear load					
	Output Waveform	Pure sine wave					
	Parallel Operation	N/A					
Efficiency	Inverter Mode	>89%		>91%			
	ECO Mode	>97.5%		>98%			
Battery	Battery Type	12V / 9Ah	N/A	12V / 9Ah	N/A	12V / 9Ah	N/A
	Number of Internal Battery	2	N/A	4	N/A	6	N/A
	Rated Battery Voltage	24V		48V		72V	
	Backup Time (@ Full Load)	4 mins	N/A	4 mins	N/A	4 mins	N/A
	Backup Time (@ PF0.8 Load)	4.5 mins	N/A	5 mins	N/A	5 mins	N/A
	Backup Time (@ 80% Load)	5.5 mins	N/A	6 mins	N/A	6 mins	N/A
	Recharge Time (to 90%)	4 hours	N/A	4 hours	N/A	4 hours	N/A
	Charging Current	1.5A	6A	1.5A	6A	1.5A	6A
Transfer time	Battery Mode ↔ Inverter Mode	0ms					
	Inverter Mode ↔ Bypass Mode	4ms (typical)					
Display		Programmable LCD					
Audible		Yes					
Dimension	WxHxD	144x228x356mm	102x228x346mm	190x327x399mm	102x327x390mm	190x327x393mm	102x327x390mm
Net weight		9.2 kg	3.9 kg	17.4 kg	6.4 kg	22.7 kg	6.4 kg
Environment	Operating Temperature	0~40 °C					
	Noise Level	40dB @typical load				41dB @typical load	
Interface	USB	Yes					
	Communication Slot	Optional					
	Emergency Power Off	Yes					

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