SGI™ UPSafe™ Solutions

UPSafe 5115 Uninterruptible Power System

Features and Benefits

- Advanced Battery Management (ABM™) doubles battery service life
- Buck and Boost voltage regulation corrects incoming voltage fluctuations
- Enhanced battery recharge time quickly prepares uninteruptible power systems for the next power outage
- Network Transient Protector isolates equipment from "back door" power surges travelling through network and phone lines
- Hot-Swappable batteries simplify service
- LanSafe III power management software bundle ensures data integrity

SGI UPSafe Solutions proudly introduces UPSafe 5115. The cost-effective UPSafe 5115 is designed to protect PCs, workstations, SOHO equipment, small internetworking devices, and other electrical equipment from power disturbances.

To prolong battery service life, UPSafe 5115 incorporates Advanced Battery Management (ABM™), which doubles battery service life, optimizes recharge time for quick recovery after power outages, and provides advanced warning of the end of useful battery life. In addition, UPSafe 5115 corrects incoming voltage fluctuations so that they do not affect the performance of the connected equipment.

Unlike most competitive uninterruptible power systems in its class which use a simulated sine wave, UPSafe 5115 provides pure sine wave output during battery operation. As a result, the connected load continues to receive quality electrical wave form and operates smoothly even during power outages.

To preserve data integrity, UPSafe 5115 is bundled with the new Software Suite CD containing LanSafe III power management software which features extensive control and monitoring capabilities. Backed by superior performance, UPSafe 5115 is designed to keep your applications up and running – without interruption!

UPSafe 5115 Model Selection Guide

Model Number	Power Out (VA/Watts)	Input Connection	Output Connections	Dimensions (HxWxD, in./mm)	Unit Weight (lb/kg)
120 Vac[1]; 50/60 Hz auto-sensing					
PW5115 500	500/320	5-15P	(4) 5-15R	7.6 x 5.9 x 10.6/193 x 150 x 270	17.2/7.8
PW5115 750	750/500	5-15P	(4) 5-15R	7.6 x 5.9 x 13.2/193 x 150 x 335	27.3/12.4
PW5115 1000	1000/670	5-15P	(6) 5-15R	7.6 x 5.9 x 13.2/193 x 150 x 335	27.8/12.6
PW5115 1400	1400/950	5-15P	(6) 5-15R	7.6 x 5.9 x 15.4/193 x 150 x 390	37.0/16.8
230 Vac[2]; 50/60 Hz auto-sensing					
PW5115 500i	500/320	IEC-320-C14	(4) IEC-320-C13	7.6 x 5.9 x 10.6/193 x 150 x 270	17.2/7.8
PW5115 750i	750/500	IEC-320-C14	(4) IEC-320-C13	7.6 x 5.9 x 13.2/193 x 150 x 335	27.3/12.4
PW5115 1000i	1000/670	IEC-320-C14	(6) IEC-320-C13	7.6 x 5.9 x 13.2/193 x 150 x 335	27.8/12.6
PW5115 1400i	1400/950	IEC-320-C14	(6) IEC-320-C13	7.6 x 5.9 x 15.4/193 x 150 x 390	37.0/16.8

1. Also user-selectable for 110V via rear panel DIP switches. 2. 230V default; also user-selectable for 220 and 240V via rear panel DIP switches.

UPSafe 5115 Battery Runtimes (in minutes)

Load	PW5115 500(i)	PW5115 750(i)	PW5115 1000(i)	PW5115 1400(i)
200 VA/128W	17	38	41	58
300 VA/192W	11	27	28	41
500 VA/320W	5	14	15	28
600 VA/402W		9	10	19
750 VA/503W		6	8	14
900 VA/603W			6	10
1000 VA/670W			5	8
1200 VA/804W				6
1400 VA/938W				5

This guide provides typical application information. Battery runtimes are approximate and may vary with equipment, configuration, disk access, battery age, temperature, etc.

UPSafe 5115 Technical Specifications

Electrical Input

- Voltage: See Model Selection Guide
- Online Voltage Range: ±20% of nominal voltage at full load
- Nominal Input Frequency: 50/60 Hz, auto-sensing
- Input Protection: 120V models: Resettable circuit breaker 230V models: AC source overcurrent protection device (required)
- Connection: See Model Selection Guide

Electrical Output

- Power Levels: 500-1400 VA
- Online Regulation: -10%, +6% of nominal voltage
- On Battery Voltage Regulation: ±5% of nominal voltage; -10% after low battery warning
- On Battery Frequency Regulation: ±0.1 Hz of nominal frequency
- Voltage Wave Shape: Sine wave (during normal and battery operation)
- Connections: See Model Selection Guide
- Interconnecting Cords: 2 ea. IEC-320, 10A (230V models)

Indicators and Controls

- Front Panel LEDs: Power on, on battery, overload, and battery fault
- Front Panel Buttons: On/Off and alarm silence/self-test
- Communications Port: DB-9 female (UPS ships with communications cable); USB Interface Adapter is optional
- Power Factor: 500 VA: 0.64; 750/1000 VA: 0.67; 1400 VA: 0.68

Battery

- Battery Type: Sealed, maintenance-free lead-acid; starved electrolyte
- Battery Description: 500 VA: (1) 12V, 9 Ah; 750 VA: (2) 12V, 7.2 Ah; 1000 VA: (2) 12V, 9 Ah; 1400 VA: (3) 12V, 9 Ah
- Battery Recharge: <3 hours to 90% capacity
- Battery Runtime: 5 minutes minimum; See Battery Runtimes table
- Start-On-Battery: Startup with UPS batteries in absence of utility power

General

- Topology: Line-interactive
- Dimensions and Weight: See Model Selection Guide
- Network Transient Protector: In and out RJ11 jack for telephone/modem protection (120V models only) or RJ45 for 10Base-T network cable; UL497A tested

Environmental and Safety

- Safety Markings: UL, cUL, and CSA; 230V models also CE and TUV
- Safety Conformance: UL 1778, CAN/CSA C22.2, No. 107.1; 230V models also EN 50091-1-1 and IEC 60950
- EMC Markings: FCC Class B; 230V models also CE (EN50091-2) and C-Tick
- Surge Suppression: ANSI C62.41 Category A (formerly IEEE 587)
- Immunity: IEC 801-2, -3, -4
- Operating: 0°C to 40°C (32°F to 104°F); UL Temperature tested 25° (77° F)
- Transit/Storage Temperature: -15°C to 55°C (5°F to 131°F)
- Audible Noise: <45 dBA, typical
- Relative Humidity: 5-95% non-condensing

1. Due to continuing product improvement programs, specifications are subject to change without notice.

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