

## SGI™ UPSafe™ Solutions

### UPSafe 5119 Uninterruptible Power System

#### Features and Benefits

- Advanced Battery Management (ABM™) doubles battery service life
- Hot-Swappable batteries simplify service
- Proprietary Buck and Double Boost voltage regulation ensures clean regulated output to connected load
- Network and Modem Protection isolates network/phone wiring
- Load Segments [separate receptacle groups] enable scheduled shutdowns and battery maximize runtime for critical devices
- Network Management Cards offer enhanced uninterruptible power system communication
- Start-On-Battery capability provides uninterruptible power system startup without AC power
- LanSafe III power management software bundle ensures data integrity

Continuing its commitment to provide the most technologically advanced power protection for LANs, servers, workstations, and rack-based computer equipment, SGI UPSafe Solutions is proud to introduce UPSafe 5119. Available in cabinet and rack-mount models, UPSafe 5119 is designed with enhanced communication and voltage regulation capabilities to deliver advanced uninterruptible power system protection and reliability to your critical load.

UPSafe 5119 achieves its superior status by incorporating unique features such as Advanced Battery Management (ABM™), which assures reliability and improves performance by doubling battery service life, optimizing recharge time, and providing up to a 60-day notice of the end of useful battery life. In addition, UPSafe 5119 features Buck and Double Boost voltage regulation, which ensures steady voltage to your critical load without using battery power.

To ensure ultimate data integrity, UPSafe 5119 is bundled with LanSafe III power management software. In addition, PowerComm installable option cards provide enhanced communication and scalable power protection.

Manufactured to ISO 9001 standards, UPSafe 5119 meets or exceeds worldwide specifications for safety and performance to keep your critical applications running without interruption.



## UPSafe 5119 Tower Model Selection Guide

Model Number	Power Out [VA/Watt]	Input Connection	Output Connections	Backup Time Half/Full Load	Dimensions WxHxD [in/mm]	Unit Weight [lb/kg]
<b>120 Vac<sup>1</sup>, 60 Hz</b>						
PW5119 1000	1000/670	5-15P	[6] 5-15R <sup>2</sup>	21/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434	43/20
PW5119 1500	1440/960	5-15P	[6] 5-15R <sup>2</sup>	27/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434	57/26
PW5119 2000 <sup>3</sup>	1920/1400	5-20P	[6] 5-15R & [2] 5-20R <sup>4</sup>	24/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434 [x2] <sup>5</sup>	32/15
PW5119 2400 <sup>5</sup>	2400/1600	L5-30P	[6] 5-15R & [1] L5-30R <sup>6</sup>	30/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434 [x2] <sup>5</sup>	36/16
PW5119 3000 <sup>5</sup>	2880/2250	L5-30P	[6] 5-15R & [1] L5-30R <sup>6</sup>	23/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434 [x2] <sup>5</sup>	41/19
<b>230 Vac<sup>1</sup>, 50/60 Hz</b>						
PW5119 1000i	1000/670	IEC-320-C14	[6] IEC-320-C13 <sup>2</sup>	21/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434	43/20
PW5119 1500i	1500/960	IEC-320-C14	[6] IEC-320-C13 <sup>2</sup>	27/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434	57/26
PW5119 2000i <sup>3</sup>	2000/1400	IEC-320-C14	[9] IEC-320-C13 <sup>4</sup>	24/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434 [x2] <sup>5</sup>	31/14
PW5119 2400i <sup>5</sup>	2300/1600	IEC-320-C14	[9] IEC-320-C13 <sup>4</sup>	30/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434 [x2] <sup>5</sup>	34/15
PW5119 3000i <sup>5</sup>	3000/2250	IEC-320-C20	[9] IEC-320-C19 <sup>6</sup>	23/8 min	7.0 x 8.8 x 17.1/178 x 223 x 434 [x2] <sup>5</sup>	39/18
<b>Battery Packs [for 2000–3000 VA models only]<sup>7</sup></b>						
PW5119 1048 BP	48 Vdc, 10 Ahr	cord w/connector	—	—	7.0 x 8.8 x 17.1/178 x 223 x 434	47/21 <sup>7</sup>
PW5119 1748 BP	48 Vdc, 17 Ahr	cord w/connector	—	—	7.0 x 8.8 x 17.1/178 x 223 x 434	63/29 <sup>7</sup>

1. User-selectable for 100, 110, 120, or 127 Vac. With 100 or 110V selected, 120 Vac units can operate at 50 Hz. 2. Divided into 2 Load Segments. 3. Includes Battery Pack PW5119 1048 BP. 4. Divided into 3 Load Segments. 5. Includes Battery Pack PW5119 1748 BP. 6. User selectable for 208, 220, 230, or 240 Vac. 7. Battery pack and electronics ship together in one box.

## UPSafe 5119 Rack-Mount Model Selection Guide

Model Number	Power Out [VA/Watt]	Input Connection	Output Connections	Backup Time Half/Full Load	Dimensions WxHxD [in/mm] <sup>5</sup>	Unit Weight [lb/kg]
<b>120 Vac<sup>1</sup>, 60 Hz</b>						
PW5119 1K RM	1000/670	5-15P	[6] 5-15R <sup>2</sup>	20/7 min	19.0 x 3.5 x 18.6/482 x 89 x 472	58/26
PW5119 1.5K RM	1440/960	5-15P	[6] 5-15R <sup>2</sup>	23/7 min	19.0 x 3.5 x 18.6/482 x 89 x 472	58/26
PW5119 2K RM	1920/1400	5-20P	[9] 5-15R <sup>4</sup>	27/11 min	19.0 x 5.25 x 22.3/482 x 133 x 566	132/60
PW5119 2K RM20R	1920/1400	5-20P	[6] 5-15R & [2] 5-20R <sup>3</sup>	27/11 min	19.0 x 5.25 x 22.3/482 x 133 x 566	132/60
PW5119 3K RM	2880/2250	L5-30P	[9] 5-15R & [1] L5-30R <sup>3</sup>	30/11 min	19.0 x 5.25 x 22.3/482 x 133 x 566	132/60
<b>230 Vac<sup>1</sup>, 50/60 Hz</b>						
PW5119 1Ki RM	1000/670	IEC-320-C14	[6] IEC-320-C13 <sup>2</sup>	20/7 min	19.0 x 3.5 x 18.6/482 x 89 x 472	58/26
PW5119 1.5Ki RM	1500/960	IEC-320-C14	[6] IEC-320-C13 <sup>2</sup>	23/7 min	19.0 x 3.5 x 18.6/482 x 89 x 472	58/26
PW5119 2Ki RM	2000/1400	IEC-320-C14	[9] IEC-320-C13 <sup>3</sup>	27/11 min	19.0 x 5.25 x 22.3/482 x 133 x 566	132/60
PW5119 2.4Ki RM	2300/1600	IEC-320-C14	[9] IEC-320-C13 <sup>3</sup>	35/14 min	19.0 x 5.25 x 22.3/482 x 133 x 566	132/60
PW5119 3Ki RM	3000/2250	IEC-320-C20	[9] IEC-320-C13 & [1] IEC-320-C19 <sup>3</sup>	30/11 min	19.0 x 5.25 x 22.3/482 x 133 x 566	132/60

1. User-selectable for 100, 110, 120, or 127 Vac. With 100 or 110V selected, 120 Vac units can operate at 50 Hz. 2. Divided into 2 Load Segments. 3. Divided into 3 Load Segments. 4. User selectable for 208, 220, 230, or 240 Vac. 5. 1.9-inch wide front panel with a 17.25-inch wide chassis. Mounting kits are sold separately.

## UPSafe 5119 Technical Specifications<sup>1</sup>

<b>Electrical Input</b> <ul style="list-style-type: none"> <li>• Voltage See Model Selection Guide</li> <li>• Online Voltage Range -30%, +20% for nominal voltages; user-selectable extended range of -35%, +20% [-30%, +15% for 127 and 240 Vac]</li> <li>• Nominal Input Frequency 50/60 Hz; auto-selection [60 Hz only for 120 and 127 Vac]</li> <li>• Frequency Tolerance Nominal ± 3 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• No Load Sleep Mode [Battery Mode]</li> <li>• Interconnecting Cords</li> <li>• Backup Time</li> <li>• Battery Charging &lt;3 hrs. to 90% usable capacity</li> <li>• Battery Type Sealed, maintenance-free lead-acid; starved electrolyte</li> <li>• Start-On-Battery Startup with batteries in absence of utility power</li> </ul>	<ul style="list-style-type: none"> <li>• EMC Markings FCC; 120 Vac models also VCCI; 230 Vac models also CE</li> <li>• Emissions FCC Class B [2000–3000 VA Class A]; 230 Vac models also EN 50091-2, EN 55022 and IEC 61000-3-2, EN 50091-2, IEC 61000-4-2, 3, 4, 5 and ANSI C62.4</li> <li>• Immunity Cat B [formerly IEEE 587]</li> <li>• Surge Suppression Manufactured with surge suppressors that meet UL1449</li> <li>• Network Transient Protector In and out RJ11 jack for [cabinet models] telephone/modem protection [120 Vac models only] or RJ45 for 10Base-T network cable; UL497A tested</li> <li>• REPO Port Meets NEC code 645-II intent</li> </ul>
<b>Electrical Output</b> <ul style="list-style-type: none"> <li>• Power Levels 1000 – 3000 VA</li> <li>• Online Regulation -10%, +6%; within Computer Business Equipment Manufacturers Association's Guidelines [-15%; +10% using extended range]</li> <li>• On Battery Regulation &lt; ± 5% RMS</li> <li>• Voltage Wave Shape Sine wave, 3% THD [on battery]</li> <li>• Overload [Normal Operation] Minimum 200% of full load for 15 cycles</li> </ul>	<b>Environmental and Safety</b> <ul style="list-style-type: none"> <li>• Operating Temperature 0°C – 40°C [32°F – 104°F] UL tested at 25°C [77°F]</li> <li>• Storage Temperature -20°C – 60°C [-4°F – 140°F]</li> <li>• Audible Noise &lt;45 dBA typical</li> <li>• Relative Humidity 5% – 95% non-condensing</li> <li>• Operating Altitude Up to 3,000 meters above sea level</li> <li>• Safety Markings UL and CSA; 230 Vac models also CE, VDE, S,FI, N, and D UL1778, CSA 22.2, No. 107.1; 230 Vac models also EN 50091-1 and IEC 60950</li> </ul>	<p><i>1. Due to continuing product improvement programs, specifications are subject to change without notice.</i></p>



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