

SGI™ UPSafe™ Solutions

UPSafe 9315 Uninterruptible Power System

Features and Benefits

- Double-conversion online technology protects the critical load from any power variations on the input
- Hot Sync® paralleling system provides redundancy and capacity capability with system availability of 99.999% and greater
- DC Expert™ battery management system monitors and maintains battery health
- Intelligent input filter provides superior generator interface and additional isolation between input and output
- Remote notify initiates outcall for user-selected events
- Monitor panel provides single-button controls to easily access data about the uninterruptible power system's status

With technology fundamental to business survival, it's no wonder that IT managers, facility managers and CIOs are feeling increasing pressure for zero downtime – 100% uptime. As uptime requirements rise, so does the search for the most reliable power protection system with the most advanced technology.

UPSafe 9315 is the industry's most reliable and flexible three-phase uninterruptible power system. Available in single modules from 30 to 750 kVA, UPSafe 9315 can be paralleled for both redundancy and capacity using the unique Hot Sync® technology. Each uninterruptible power system module has the ability to synchronize and support the critical load independent of the other modules. This unique approach eliminates the traditional single-point-of-failure.

More than just the workhorse for data centers, facilities and network solutions, UPSafe 9315 power systems use intelligent communications, along with parallel configurations, for maximum uptime, and 99.999% availability. With UPSafe 9315, integrated communication system and communication options give you complete control over your enterprise. Also, UPSafe 9315 is designed with redundant critical components, minimum printed circuit boards, 100% digital signal processing and superior cooling. These design considerations provide the highest mean time before failure [MTBF] and mean time to repair [MTTR] values in the industry.

DC Expert™ provides real-time information on battery string health and battery run time remaining. With this integral feature, you always know the condition of your battery string. Most importantly, DC Expert allows you to plan for battery maintenance and avoid any unexpected load losses due to battery deterioration.

UPSafe 9315 gives maximum flexibility, reliability and system availability for your entire enterprise, whether it's in a single building or spread around the world. With the most reliable hardware, sophisticated power management software, a multitude of accessories and options, UPSafe 9315 offers the power solution – and system availability – that lets you get down to the business of your business.



UPSafe 9315 Model Selection Guide

Model Number	Power Rating [kVA]	Input/Output Voltage	Dimensions H x W x D [in/mm]	Installed Weight without batteries [lb/kg]
PW9315-40	30, 40	400/400	73.5 x 34 x 31.5/1867 x 864 x 800	1750/795.5
PW9315-50	30, 40, 50	480/208	73.5 x 34 x 31.5/1867 x 864 x 800	1750/795.5
		480/480	73.5 x 34 x 31.5/1867 x 864 x 800	1750/795.5
		208/208	73.5 x 34 x 31.5/1867 x 864 x 800	2075/943
		220/208	73.5 x 34 x 31.5/1867 x 864 x 800	2075/943
		600/208	73.5 x 34 x 31.5/1867 x 864 x 800	2075/943
PW9315-65	50, 65	400/400	73.5 x 34 x 31.5/1867 x 864 x 800	2000/909
PW9315-80	50, 65, 80	480/208	73.5 x 34 x 31.5/1867 x 864 x 800	2000/909
		480/480	73.5 x 34 x 31.5/1867 x 864 x 800	2000/909
		208/208	73.5 x 34 x 31.5/1867 x 864 x 800	2475/1125
		220/208	73.5 x 34 x 31.5/1867 x 864 x 800	2475/1125
		600/600	73.5 x 34 x 31.5/1867 x 864 x 800	2475/1125
		600/208	73.5 x 58 x 31.5/1867 x 1474 x 800	3400/1545.5
		400/400	73.5 x 34 x 31.5/1867 x 864 x 800	2475/1125
PW9315-130	100, 130	400/400	73.5 x 49 x 31.5/1867 x 1245 x 800	3150/1432
PW9315-160	100, 130, 160	480/208	73.5 x 49 x 31.5/1867 x 1245 x 800	3150/1432
		480/480	73.5 x 49 x 31.5/1867 x 1245 x 800	3150/1432
		208/208	73.5 x 73 x 31.5/1867 x 1855 x 800	5000/2273
		220/208	73.5 x 73 x 31.5/1867 x 1855 x 800	5000/2273
		600/600	73.5 x 49 x 31.5/1867 x 1245 x 800	3975/1807
		600/208	73.5 x 49 x 31.5/1867 x 1245 x 800	3975/1807
		400/400	73.5 x 49 x 31.5/1867 x 1245 x 800	3975/1807
PW9315-200	200	400/400	73.5 x 65 x 31.5/1867 x 1654 x 800	3812/1733
PW9315-225	225	208/208	73.5 x 105 x 31.5/1867 x 2667 x 800	6363/2892
		480/208	73.5 x 65 x 31.5/1867 x 1654 x 800	3863/1756
		480/480	73.5 x 65 x 31.5/1867 x 1654 x 800	3863/1756
PW9315-250	200, 250	400/400	73.5 x 65 x 31.5/1867 x 1654 x 800	4177/1899
PW9315-300	225	480/480	73.5 x 65 x 31.5/1867 x 1654 x 800	4177/1899
PW9315-300	300	208/208	73.5 x 163 x 31.5/1867 x 4146 x 800	12377/5626
		480/208	73.5 x 114 x 31.5/1867 x 2899 x 800	8277/3762
		480/480	73.5 x 65 x 31.5/1867 x 1654 x 800	4177/1899
		600/600	73.5 x 65 x 31.5/1867 x 1654 x 800	4177/1899
PW9315-400	300, 400	400/400	73.5 x 74 x 31.5/1867 x 1880 x 800	6100/2772
PW9315-500	400	480/480	73.5 x 74 x 31.5/1867 x 1880 x 800	6100/2772
		480/208	73.5 x 123 x 31.5/1867 x 3125 x 800	10100/4591
		208/208	73.5 x 123 x 31.5/1867 x 3125 x 800	14100/6409
PW9315-500	500	480/480	73.5 x 74 x 31.5/1867 x 1880 x 800	6100/2772
PW9315 625	500, 625	400/400	single module	
			82 x 149 x 39/2083 x 3789 x 991	13200/6000
			multi module	
			82 x 127 x 39/2083 x 3226 x 991	12600/5727
PW9315-750	625, 750	480/480, 600/600	single module	
			82 x 149 x 39/2083 x 3789 x 991	13200/6000
			multi module	
			82 x 127 x 39/2083 x 3226 x 991	12600/5727

UPSafe 9315 Technical Specifications

<p>Environmental</p> <ul style="list-style-type: none"> • Ambient Temperature Operation: 0 to +40°C [32 to 104°F] Storage: -20 to +70°C [-4 to 140°F] • Relative Humidity 0-95% non-condensing • Altitude 1500 meters [5000 ft] at 40°C ambient temperature without load derating At 1 meter; in accordance with ISO 7779 • Audible Noise UPSafe 9315 [30-160 kVA]: <65 dBA UPSafe 9315 [200-300 kVA]: <69 dBA UPSafe 9315 [300-500 kVA]: <72 dBA UPSafe 9315 [500-750 kVA]: <75 dBA • Electrostatic Discharge Withstands 25kV without damage or disturbance to the load; exceeds requirements of IEC 801-2 • EMC Meets FCC Class A 5 and EN 50091-2 [CISPR 22, Class A] 	<p>Electrical Input</p> <ul style="list-style-type: none"> • Voltage Range See Model Selection Guide • Frequency Range [60 Hz] 57-63 Hz; [50 Hz] 47-53 Hz Meets IEEE 587, Category A & B, EN 50091-2 and EN 50082-2 • Surge Protection • Power Factor 0.95 typical at full load with optional input filter Input current distortion <7% typical with optional input filter <p>Electrical Output</p> <ul style="list-style-type: none"> • Output voltage THD [linear load] <3% for a 100% [linear load]; 2% for a single harmonic. • Output voltage THD [non-linear] <5% when tested in accordance with EN50091-3. • Voltage Regulation Better than ±1% • Transient Response <5% for 100% load step; full recovery within 1 cycle • Frequency [Free Run] ±0.005 Hz • Frequency Sync Range ±0.5 Hz • Frequency Slew Rate 1 Hz/second maximum • Voltage Adjustment Range [Operator] ±5% 	<p>Battery Specifications</p> <ul style="list-style-type: none"> • Matching Cabinets Line-up or remote • Battery Type Sealed, valve regulated lead acid • Recharge Time 10 - 12 times the discharge time to 95% • Other Battery Options Wet cell and nickel-cadmium batteries; open racks available <p>Safety</p> <ul style="list-style-type: none"> • Safety Markings and Conformance UL1778 Listed CUL CAN/CSA C22.2 NO.107.1 Listed EN 50091-1 All Cabinets provide seismic mounting features. Selectable DC ground fault detection capability <p><i>1. Specifications subject to change without notice.</i></p>
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Corporate Office
1600 Amphitheatre Pkwy.
Mountain View, CA 94043
[650] 960-1980
www.sgi.com

North America [800] 800-7441
Latin America [650] 933-4637
Europe [44] 118.925.75.00
Japan [81] 3.5488.1811
Asia Pacific [65] 771.0290