

Galaxy 4000

40/50/65/75 kVA

*Data Center Grade Power
Protection for Critical
Environments*



Reliability

Performance

The Galaxy 4000 . . . where reliability meets performance

The Galaxy 4000 separates itself from other UPS with technology that increases performance and reliability, all at a competitive cost.

The Galaxy 4000's **IGBT rectifier** significantly minimizes input harmonics and the Power Factor Corrected Input reduces installation costs due to smaller cabling and generator costs. Unmatched from a performance standpoint, the Galaxy 4000's unique fault tolerant architecture safely manages output faults without compromising the UPS, while the **Digital Power Quality Management System** provides precision voltage regulation on a consistent basis.

Galaxy UPS – trusted in over 15,000 critical facilities.

Technical Advantages

- ▶ **IGBT rectifier** virtually eliminates reflected distortion (2% THD from 0% to 100% loads)
- ▶ **The highest reliability available** using an IGBT rectifier that eliminates costly components
- ▶ **Low UPS to generator sizing**
- ▶ **Power Factor Corrected Input** (.99 pf) saves on installation and energy costs
- ▶ **Digital Power Quality Management (DPQM)** provides precision voltage regulation
- ▶ **Double conversion online technology** fully isolates and protects against all power quality disturbances
- ▶ **Power surge stabilization system** regulates voltage even under surge conditions common in IT and industrial environments
- ▶ **Fault tolerant architecture** protects loads and the UPS unit during unintended faults
- ▶ **Easy and quick to install**
- ▶ **Front only access**
- ▶ **User friendly graphical interface**
- ▶ **Web based monitoring options**
- ▶ **SNMP and Network Based Power Management options**
- ▶ **Galaxy 4000 is available as a UL 924 system for Emergency Lighting Applications**

M G E
UPS SYSTEMS

Galaxy 4000 Technical Specifications

UPS Rating kVA/KW 40/32 50/40 65/52 75/60

Input				
Voltage	208V, 3 Phase, 4 Wire + G, -20%/+15%			
Frequency	60 Hz, +5%/-5%			
Power Factor	>0.98			
Current Distortion (THD)	<3 % at Full Load			
Input Current (A @ 208V)	102	127	166	191

Output				
Voltage	208V, 3 Phase, 4 Wire + G,			
Frequency	60 Hz, ±1% (selectable to 4%), ±0.1% free running			
Voltage Regulation	±1.0% for balanced load ±2.5% for 100% unbalanced load			
Voltage Transient Response	±5% for 100% step load ±1% for loss or return of AC input			
Voltage Recovery Time	Within 1% of nominal within 1 cycle			
Voltage Distortion THD	<1% L-L and L-N for non-linear loads (<2% max)			
Inverter Overload	130% for 1 min, 145% for 30 sec			
Bypass Overload	10 X nominal current for 1 cycle			
Output Current (A @ 208V)	111	139	180	208
Heat Rejection (BTUs)	14,900	18,700	24,200	28,000

Environmental	
Acoustical Noise	69 dBA @ 3'
Operating Temperature	UPS: 0° to 40°C (32°F to 104°F) Battery: 25°C (77°F)
Non-Operating Temperature	-20°C to +45°C (-4°F to 113°F)
Relative Humidity	0-95% non-condensing

Dimensions and Weights	W x D x H in inches (lbs.)
UPS	33.5 X 35.6 X 72.1 (1,235 lbs max)
Battery Cabinet	26.5 X 33.5 X 72.1 (2,045 lbs max)
Battery Cabinet	33.5 X 33.5 X 72.1 (2,745 lbs max)

Standards
ISO 9001, UL 1778, cUL, FCC Part 15, Subpart J, Class A,
NEMA PE 1, NEMA 250, NFPA 70, IEC 1000 (801) level 4, OSHA

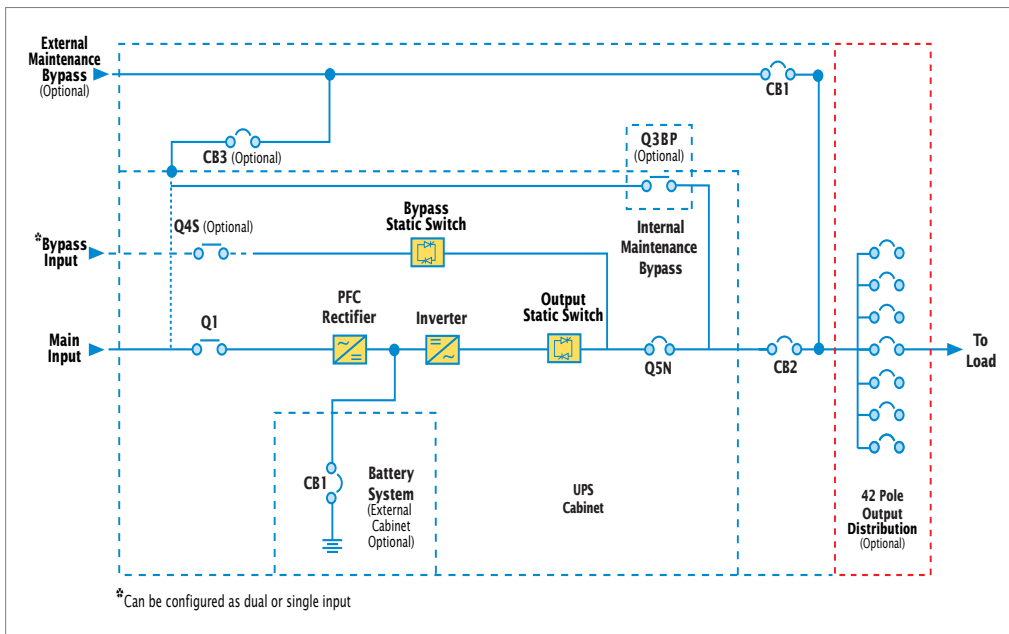
Standard Features

- ▶ Double Conversion On-line topology
- ▶ Input Power Factor Correction (IGBT rectifier)
- ▶ Dual Input
- ▶ Input Distortion Management
- ▶ Digital Power Quality Management System (PWM/IGBT inverter)
- ▶ Step Load Voltage Stabilization
- ▶ Intelligent Battery Management System
- ▶ Fault Tolerant Architecture
- ▶ Casters with stabilizing feet
- ▶ Network based software for multi-server control
- ▶ Dry contact I/O card
- ▶ SNMP manageable
- ▶ Graphic display with multilingual user interface
- ▶ Bottom or top entry
- ▶ Four communications ports

Options

- ▶ RS232 / RS485 serial interface
- ▶ Ethernet/SNMP Web Card connection kit
- ▶ External maintenance bypass with interlock
- ▶ Internal maintenance bypass
- ▶ Seismic Brackets
- ▶ 42 pole distribution

Galaxy 4000



The Critical Power and Cooling Services Business Unit of Schneider Electric



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