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Data Sheet
PG1500-UPS-V3-3P



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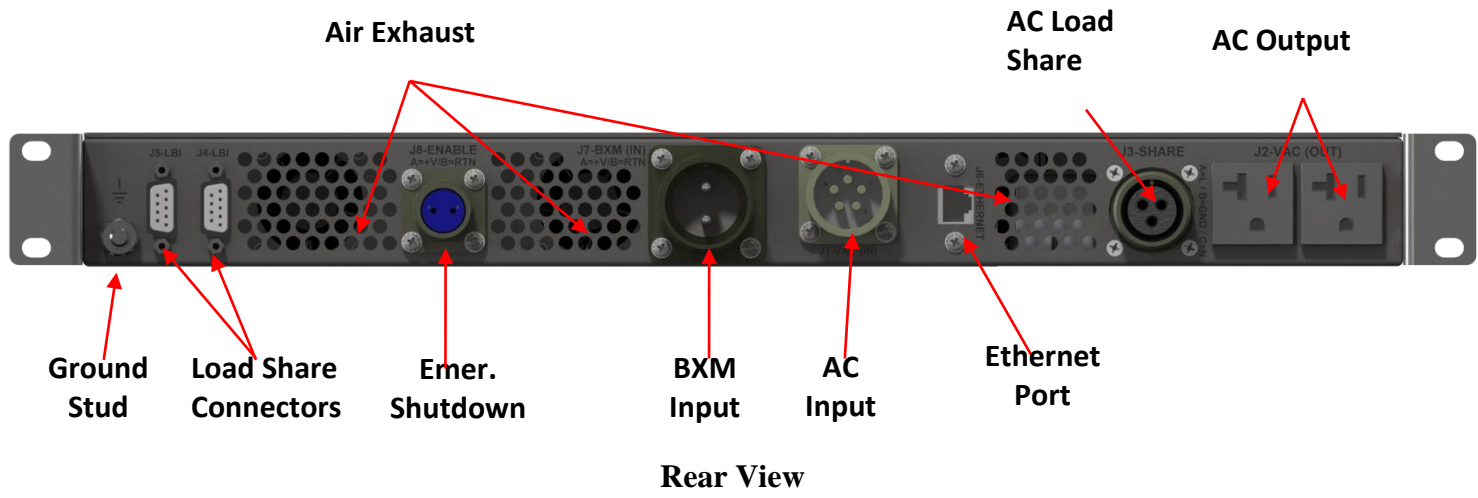
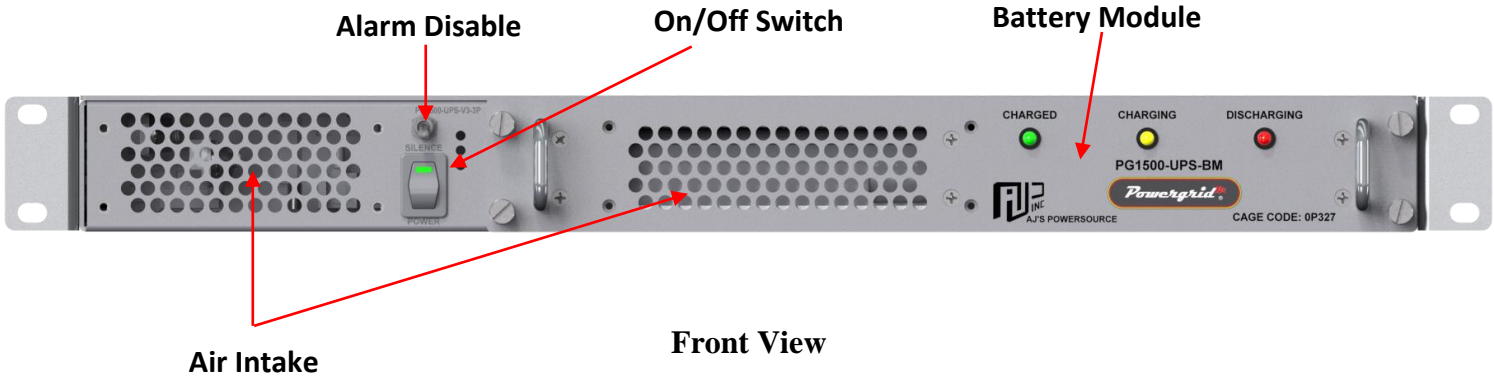
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Creation Date: 07 May 2012	Reference ECO:	Document Number Rev Level:
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SPECIFICATION	VALUE	UNITS
<b>AC Output</b>		
Rated Voltage	120 Pure Sine Wave ( $\pm 5\%$ )	Volts
Frequency	60 ( $\pm 0.25\%$ )	Hertz
Rated Max. Current	10	Amps
Maximum Rated Power	1500VA (0.8PF), 1200W (w/resistive load)	
Phase	Single	
Total Harmonic Distortion	<5 (w/resistive load)	%
Run Time on Battery	>12 (at 25°C, 80% Load, zero at or below 0C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
<b>AC Input</b>		
Voltage Range	115/208	Volts AC
Frequency Range	47 – 63, 400 (at 115Vac only)	Hertz
Phase	Three	
Nominal Current	8@115V/4@208V/per phase	Amps AC
Inrush Current (typical)	100 (maximum)	Amps AC
Power Factor (typical)	>0.8	
Leakage Current	<4.0	mAmps AC
Efficiency (typical)	>80 (AC Input to AC Output)	%
Conversion	Double On-Line	
<b>Battery</b>		
Rating	48	Vdc
Type	Lithium Iron Phosphate	
Capacity	5.7	Ah
Hot-Swappable	Yes (when on AC Input)	
Replacement Time	Less than one minute	
Recharge Time	5 Hours to 95% after full discharge	
<b>BXM Input</b>		
Voltage Range	41 – 56 (Minimum Input Voltage Turn-ON $\geq 42$ VDC)	Vdc
Nominal Voltage	48	Vdc
Efficiency (typical)	>84	%
Conversion	Single	

SPECIFICATION	VALUE	UNITS
<b>Front Panel Indicators</b>		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Switch LED	Green=Unit On	
<b>Front Panel Control</b>		
On/Off Switch	When on, enables UPS output	
Alarm Disable	Enable/disable the audible alarm sounder	
<b>SNMP v3</b>		
	AC Input present, Battery Status (charged, charging, discharging), AC Output Active, Over Temperature	
<b>Rear Connectors</b>		
AC Output	2 x NEMA 5-20R Receptacles	J2
AC Input	1 x MS3102E16S-8P, Pin A=Phase A, Pin B=Phase B, Pin C=Phase C, Pin D=Neutral, Pin E= Earth Ground	J1
AC Load Share*	Type MS3102E16-10S	J3
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
Load Share Interface*	Female Sub-D 9 Pin	J4, J5
	* Allows units to be stacked for increase in power handling capability, provides synchronization between units (not used in single UPS installation)	
Ethernet	RJ-45, standard Ethernet pin out (SNMP v3 communications)	J6
Emergency Cutoff	MS3102E12S3S, Pin A = +V, Pin B = -V Contact closure Open = output enabled, Closed via external switch = output disabled	J8
BXM Input	MS3102E20-23P, Pin A = +Vin, Pin B = -Vin (only used when PG-BXM is present)	J7
Safety Ground Stud	¼ -20 Stud (Rear Panel)	
<b>Protection</b>		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
<b>Isolation</b>		
AC Input to AC Output	Yes, Double	
BXM Input to AC Output	Yes, Double	

SPECIFICATION	VALUE	UNITS
<b>Environmental</b>		
Operating Temperature Range	-20 to +50*	°C
Storage Temperature Range	-40 to +65*	°C
Working Humidity	95 non-condensing*	%
Altitude	10, 000 (Operating) / 40,000 (Non-Operating)*	feet
Fungus	MIL-STD-810G, method 508*	
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
	<b>* Designed to meet, lab testing required.</b>	
<b>Physical Properties</b>		
Dimensions	1.735H x 17.1W x 23D	inch
Mounting	1U 19 Inch Rack (adjustable mounting depth)	
Weight	27	lbs.
Material	Aluminum	
Color/Finish	Gray	



REVISIONS

ZONE	REV.	DESCRIPTION	DATE

Dimensions: (24.00), (23.00), (17.10), 19.00 RACK MOUNT, (1.729)

Callouts: MS3102E12S-3S, MS3102E16S-8P, RJ45, 2X NEMA 5-20R, MS3102E16-10S, MS3102E20-23P, 1/4-20 GND STUD, 2X D-SUB IDC SOCKET 9P

UNLESS OTHERWISE SPECIFIED  
 DIM ARE IN INCHES  
 TOL ON ANGLE +/- 0°30'  
 2 PL +/- .03 3 PL +/- .010  
 INTERPRET DIM AND TOL PER  
 ASME Y14.5M

CONTRACT NO. -  
 DRAWN BY - DATE -  
 CHECKED -  
 ENGINEER -  
 DRAWING APPROVAL -  
 DESIGN APPROVAL -  
 CONFIGURATION MANAGER -  
 OTHER APPROVALS -

THE FOLLOWING ECOS HAVE BEEN ATTACHED TO THIS PRINT

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THIRD ANGLE PROJECTION

NEXT ASSY	USED ON
APPLICATION	

DESCRIPTION  
 TOP ASSEMBLY, PG1500-UPS-V3-3P

SIZE B	CAGE CODE 0P327	DWG NO. PG1500-UPS-V3-3P	REV -
SCALE 1:5	SHEET 1 of 1		

**Mechanical Drawing**