

Document Number: 121018JL-1	Originator: Jon Landau	Document Date: February 18 th , 2021
	Model Number: PG3000-UPS	Current Revision: A



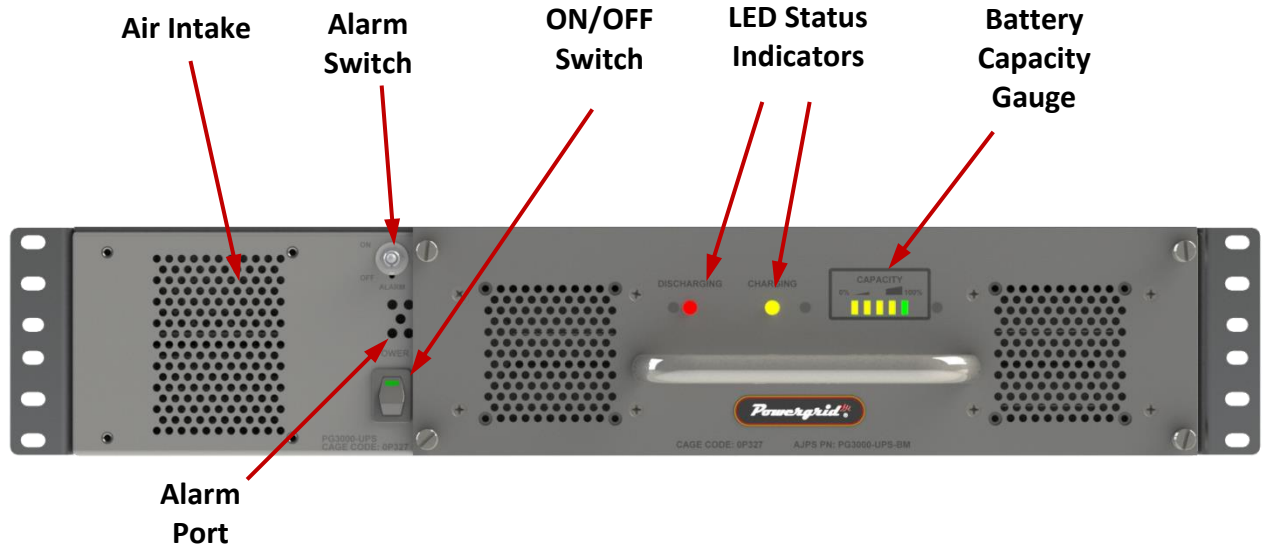
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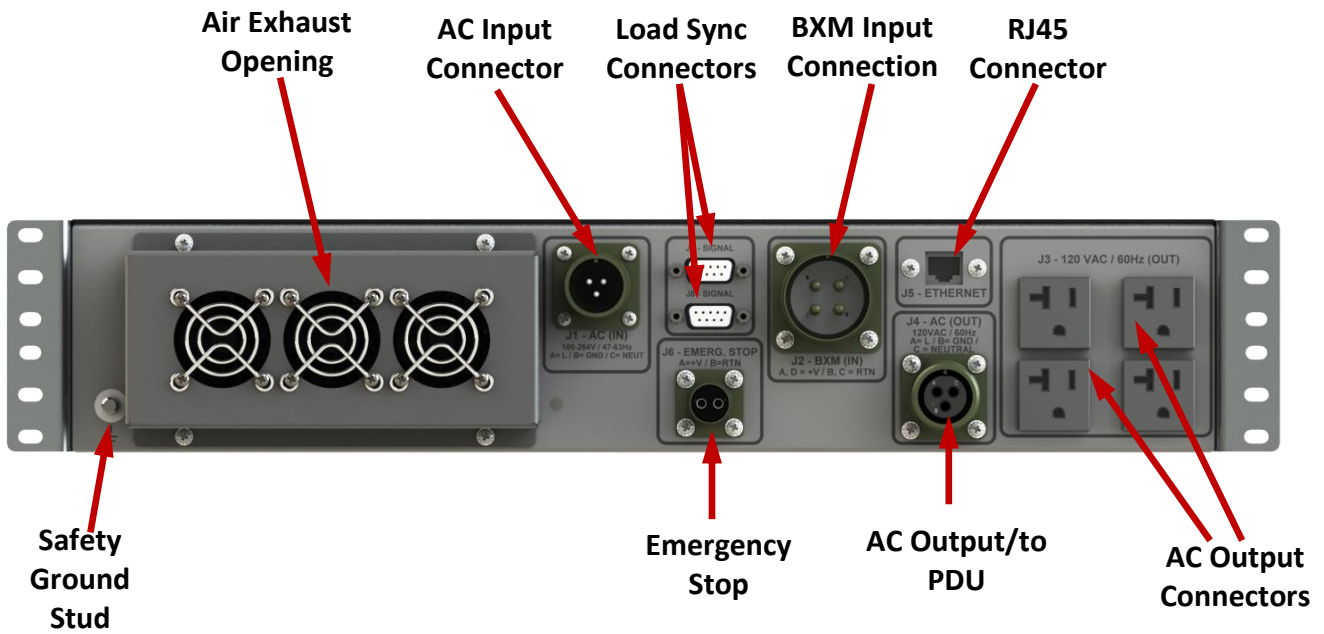
SPECIFICATION	VALUE	UNITS
AC Output		
Rated Voltage	120 True Sine Wave ($\pm 3\%$)	Volts
Frequency	60 ($\pm 0.5\%$)	Hertz
Rated Max. Current Continuous	20	Amps
Maximum Output Power	125% under temperature control 150% for maximum 20 seconds	
Current Range	0 – 20	Amps
Max. Rated Power	3000	VA
	2400	Watts
Total Harmonic Distortion	<3% (w/resistive load)	%
Run Time on Battery	≥ 12 (@ 25C, 80% load, zero at or below 0C)	Minutes
Start Time	<30	Seconds
AC Input		
Voltage Range	100 - 264	Volts AC
Phase	Single	
Frequency Range	47 - 63	Hertz
Nominal Current	30@120V, 15@230V	Amps AC
Inrush Current (typical)	100 (maximum)	Amps AC
Power Factor (typical)	>0.98 @115VAC / >0.95 @230VAC (full load)	
Leakage Current	<4.0@230VAC	mAmps AC
Efficiency (typical)	>80	%
Conversion	Double On-Line	
BXM Input		
Voltage Range	41 – 56 (Minimum Input Voltage Turn-ON ≥ 42 VDC)	Volts DC
Nominal Voltage	48	Volts DC
Nominal Current	60	Amps DC
Inrush Current (typical)	120@48V	Amps DC
Efficiency (typical)	>84	%
Conversion	Single	
Front Panel Indicators		
Battery Status	Bar Graph=Charge Capacity, Yellow=Charging, Red=Discharging	
Switch LED	Green=Unit On	
Front Panel Control		
On/Off Switch	When on, enables UPS output	
Alarm Disable	Enable/disable the audible alarm sounder	

SPECIFICATION	VALUE	UNITS
Protection		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC or BXM Input Protection	Yes	
Isolation		
AC Input to AC Output	3,000	Vac
DC Input to AC Output	4,242/1 min.	Vdc
Environmental		
Operating Temperature Range	-20 to +55 (75% Load Derating above +50°C)*	°C
Storage Temperature Range	-40 to +85*	°C
Working Humidity	0 to 95, non-condensing*	%
Altitude	10, 000 (Operating) / 40,000 (Non-Operating)*	feet
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
* Design to meet, lab testing required for formal certification		
Battery		
Rating	48	Vdc
Type	Lithium Iron Phosphate	
Capacity	11.4	Ah
Hot-Swappable	Yes (when on AC Input)	
Replacement Time	Less than one minute	
Recharge Time	5 Hours to 95% after full discharge	

SPECIFICATION	VALUE	UNITS
Connectors		
AC Output	4 x NEMA 5-20R	J3
AC Output (to PDU)	MS3102E16-10S, A=Line, B=Ground, C=Neutral	J4
AC Input	MS3102E20-19P, Pin A = Line, Pin B = Ground, Pin C = Line/Neutral	J1
BXM Input	MS3102E22-22P, Pin A,D = +Vin, Pin B,C = Vin Return	J2
Ethernet	Standard RJ-45 connection	J5
Emergency Power Off	MS3102E12S-3S, A = +V, B = RTN, Normally open contact, requires external switch closure to disable output	J6
Load Share Interface*	Female Sub-D 9 Pin	J7, J8
	* Allows units to be stacked for increase in power handling capability, provides synchronization between units (not used in single UPS installation)	
Safety Ground Stud	¼ x 20 Thread	
Physical Properties		
Dimensions	3.48H x 17.1W x 24.0D (Not including Handles or Rack Mounts)	inch
Mounting	2U 19 Inch Rack	
Weight	~50	lbs.
Material	Aluminum	
Color / Finish	Gray / Light Texture	
Remote Status		
Status Monitoring	SNMP v3	
	AC Input present, Battery Status (charged, charging, discharging), AC Output Active, Over Temperature	



**Front View
 PG3000-UPS**



**Rear View
 PG3000-UPS**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLE +/- .030° 2 PL +/- .03 3 PL +/- .010 INTERPRET DIM AND TOL PER ASME Y14.5M	CONTRACT NO.	THE FOLLOWING ECO'S HAVE BEEN ATTACHED TO THIS PRINT				
	DRAWN BY CHECKED ENGINEER DRAWING APPROVAL DESIGN APPROVAL CONFIGURATION MANAGER OTHER APPROVALS	DATE -- -- -- -- -- --	AJ's Power Source, Inc. ...power engineering the future <small>6931 Land O Lakes Blvd Land O Lakes, FL 34638 PHONE: (813) 996-2583 WWW.AJPSOURCE.COM</small>			
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NEXT ASSY USED ON APPLICATION	SCALE 1:6	SHEET 1 of 1				

**Mechanical Drawing
 PG3000-UPS**