

Document Number: 140418JL

Originator: Jon Landau

Date: April 18th, 2014

Data Sheet

900-0600-00

PG800-UPS



Document Number: 120514JL

Originator: / Sign:

Approved By: / Sign:

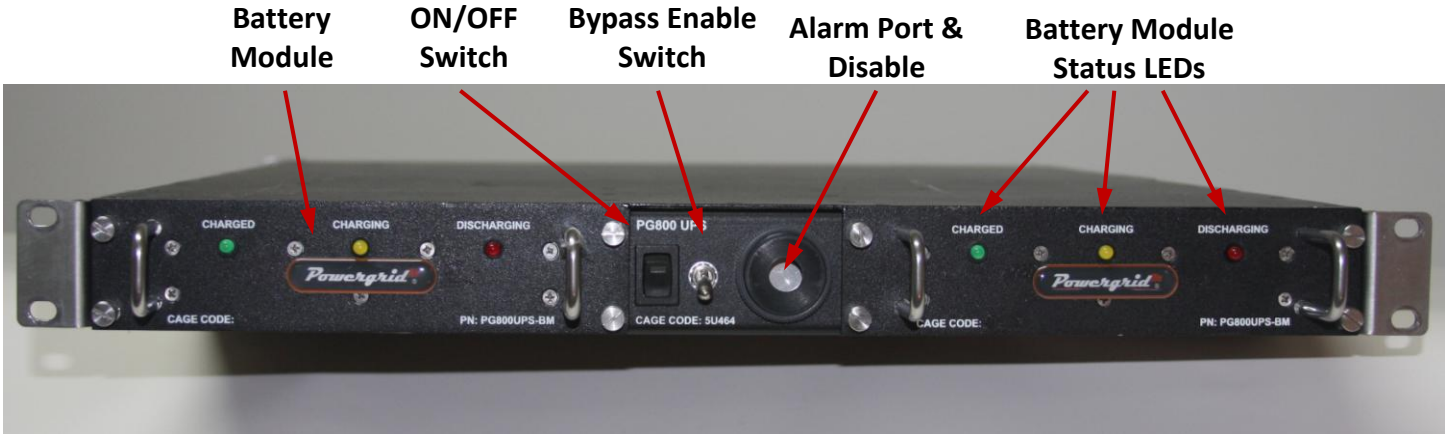
Warning: This document may contain technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Sec 2751, et seq.) or the Export Administration Act of 1979, as amended (Title 50, U.S.C., app. 2401 et seq.) Violators of these export laws are subject to sever criminal penalties.  
Proprietary Data: The data disclosed in this document was originated in whole or in part by AJPS Inc. and is to be utilized only for the specific purposes for which it was supplied. It is not to be disclosed, transmitted or reproduced without the prior written consent of AJPS Inc.

SPECIFICATION	VALUE	UNITS
<b>AC Output</b>		
Rated Voltage	120 Pure Sine Wave ( $\pm 5\%$ ) (230 Pure Sine Wave Optional)	Volts AC
Frequency	60 ( $\pm 0.25\%$ ) (50 Hz Optional)	Hertz
Rated Max. Current	6.7 @ 120V	Amps
Max. Rated Power (1U to 5U Stackable)	800 – 4000	Watts
Maximum VA (1U to 5U Stackable)	800 - 4000	VA
Phase	Single	
Total Harmonic Distortion	<1% (w/Resistive Load)	%
Run Time on Battery	9 - 10 (@ 25°C, 80% Load, de-rated below 10C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
By-Pass Mode (Non-Stacking)	ACout = ACin @ $\leq 135$ in ONLY (w/By-Pass Cable)	Volts AC
<b>AC Input</b>		
Voltage Range (Universal)	100 – 264	Volts AC
Nominal Voltage (Universal)	115 / 230	Volts AC
Frequency Range	47 - 63 @ 100-264Vac / 393 - 407 @ 115Vac	Hertz
Nominal Current	10 @ 120Vac / 5 @ 230Vac	Amps AC
Inrush Current (typical)	50	Amps AC
Efficiency (typical)	$\geq 80$ @ 120Vac	%
Power Factor (typical)	>0.98 @ 115Vac / >0.95 @ 230Vac (Full Load)	
Leakage Current	<3 @ 230VAC	mAmps AC
Conversion	Double, On-Line	
<b>DC Input</b>		
Voltage Range	22 - 32V (Input UV Turn-ON $\geq 23$ Vdc)	Volts DC
Nominal Voltage	28V	Volts DC
Nominal Current	34A	Amps DC
Efficiency (typical)	$\geq 84$ @ 30Vdc / $\geq 82$ @ 22Vdc	%
Conversion	Single	
MIL-STD-1275D	Yes (Except Sec. 3.1.6)	
<b>Isolation</b>		
AC Input to AC Output	Yes (Not in By-Pass Mode)	
DC input to AC Output	Yes	

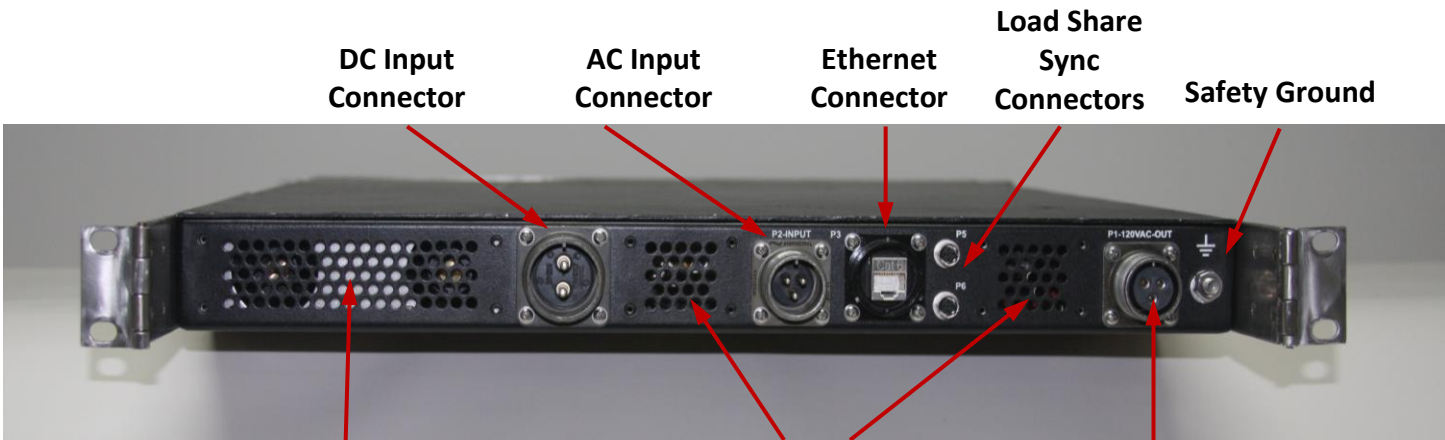
SPECIFICATION	VALUE	UNITS
<b>Internal Battery Modules</b>		
Rating	28 (two battery modules in Parallel)	Vdc
Type	Lithium Iron Phosphate	
Hot-Swappable	Yes, during primary AC input power	
Replacement Time	Less than one minute	
Recharge Time	3 - 4 Hours to 95% after full discharge	
<b>Protection</b>		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
DC Input Protection	Yes	
Lightning Protection	Yes	
<b>Front Panel Indicators</b>		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Switch LED	Green=Unit On	
<b>Front Panel Control</b>		
Alarm Disable	Cover port and release to silence	
On/Off Switch	When On, enables UPS output	
<b>Connectors</b>		
AC Output (P1)	MS3102A16-10S	Circular
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
AC Input (P2)	MS3102A16-10P	Circular
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
DC Input (P4)	MS3102A20-23P	Circular
	Pin A = +Vin , Pin B = Common	
Ethernet (P3)	RJ-45 (SNMP Communication)	Circular
Load Balance Interface (P5 / P6)	Stacking up to 5 Units (Requires 5-Pin LBI Cable Supplied)	Circular
Safety Ground	¼ -20 Stud (Rear Panel)	

SPECIFICATION	VALUE	UNITS
<b>Environmental</b>		
Operating Temperature Range	-20 to +54 (75% Load Derating from 50 to 54)	°C
Storage Temperature Range	-40 to +70	°C
Operating Humidity	95 non-condensing	%
Altitude	10,000 (Operating) / 40,000 (Non-Operating)	feet
Fungus	No fungus promoting materials used	
Sand and Dust	MIL-STD-810G* (w/Filters)	
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
	<b>* Designed to meet, lab testing required.</b>	
<b>Other Specifications</b>		
Startup Time	<30	Seconds
Control & Status	SNMP v1 Communication	
Alarm	Audible AC/DC Power Loss (w/Disable)	
Cooling	Rear Panel Intake & Exhaust Internal Airflow	
MIL-STD 461F	Yes (with optional EMI Filters) RE102, CE102, CS114-116, CS101 & RS103	
MTBF	111,000 (Calculated per MIL-HDBK-217)	Hours
<b>Physical Properties</b>		
Dimensions	1.73H x 17.1W x 21.75D (Fits 20"-26" Rack Depth)	inch
Mounting	1U Size for 19 Inch Rack (adjustable from 20"-26" Rack Depth)	
Weight	25	lbs.
Material	Aluminum	
Color/Finish	Black #F63-B70 / Light Texture (Other colors are optional)	

Doc. Name: PG800-UPS
Form Number: 690-0940-00
Procedure Number: XXX-XXXX-XX



**Front View**



**Rear View**

Creation Date: 07 May 2012	Reference ECO:	Document Number Rev Level:
----------------------------	----------------	----------------------------

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	

<p>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</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>CONTRACT NO.</td><td>---</td></tr> <tr><td>DRAWN BY</td><td>---</td></tr> <tr><td>CHECKED</td><td>---</td></tr> <tr><td>ENGINEER</td><td>---</td></tr> <tr><td>DRAWING APPROVAL</td><td>---</td></tr> <tr><td>DESIGN APPROVAL</td><td>---</td></tr> <tr><td>CONFIGURATION MANAGER</td><td>---</td></tr> <tr><td>OTHER APPROVALS</td><td>---</td></tr> </table>	CONTRACT NO.	---	DRAWN BY	---	CHECKED	---	ENGINEER	---	DRAWING APPROVAL	---	DESIGN APPROVAL	---	CONFIGURATION MANAGER	---	OTHER APPROVALS	---	<p>THE FOLLOWING ECOS HAVE BEEN ATTACHED TO THIS PRINT</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td colspan="5" style="text-align: center;">           AJ'S POWER SOURCE, INC.            6931 LAND O LAKES BLVD.            LAND O LAKES, FL 34638            PHONE: (813) 996-2583 WWW.AJPOWER.COM         </td> </tr> <tr> <td colspan="5" style="text-align: center;">DESCRIPTION</td> </tr> <tr> <td colspan="5" style="text-align: center;">PG-800 UPS</td> </tr> <tr> <td>REV</td> <td>CAGE CODE</td> <td>DWG NO.</td> <td colspan="2">REV</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">-</td> <td style="text-align: center;">PG-800UPS</td> <td colspan="2"></td> </tr> <tr> <td>SCALE</td> <td>1:5</td> <td>SHEET</td> <td colspan="2">1 of 1</td> </tr> </table>						AJ'S POWER SOURCE, INC. 6931 LAND O LAKES BLVD. LAND O LAKES, FL 34638 PHONE: (813) 996-2583 WWW.AJPOWER.COM					DESCRIPTION					PG-800 UPS					REV	CAGE CODE	DWG NO.	REV		B	-	PG-800UPS			SCALE	1:5	SHEET	1 of 1	
CONTRACT NO.	---																																																				
DRAWN BY	---																																																				
CHECKED	---																																																				
ENGINEER	---																																																				
DRAWING APPROVAL	---																																																				
DESIGN APPROVAL	---																																																				
CONFIGURATION MANAGER	---																																																				
OTHER APPROVALS	---																																																				
AJ'S POWER SOURCE, INC. 6931 LAND O LAKES BLVD. LAND O LAKES, FL 34638 PHONE: (813) 996-2583 WWW.AJPOWER.COM																																																					
DESCRIPTION																																																					
PG-800 UPS																																																					
REV	CAGE CODE	DWG NO.	REV																																																		
B	-	PG-800UPS																																																			
SCALE	1:5	SHEET	1 of 1																																																		

PROPRIETARY AND CONFIDENTIAL  THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AJ'S POWER SOURCE INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AJ'S POWER SOURCE, INC. IS PROHIBITED.								
NEXT ASSY USED ON APPLICATION								

### Mechanical Drawing