

Document Number: 140418JL	Originator: Jon Landau	Date: May 18th, 2017
---------------------------	------------------------	----------------------

Data Sheet
900-0XXX-00
PG400-UPS-HR2-DC28



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 severe 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.

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

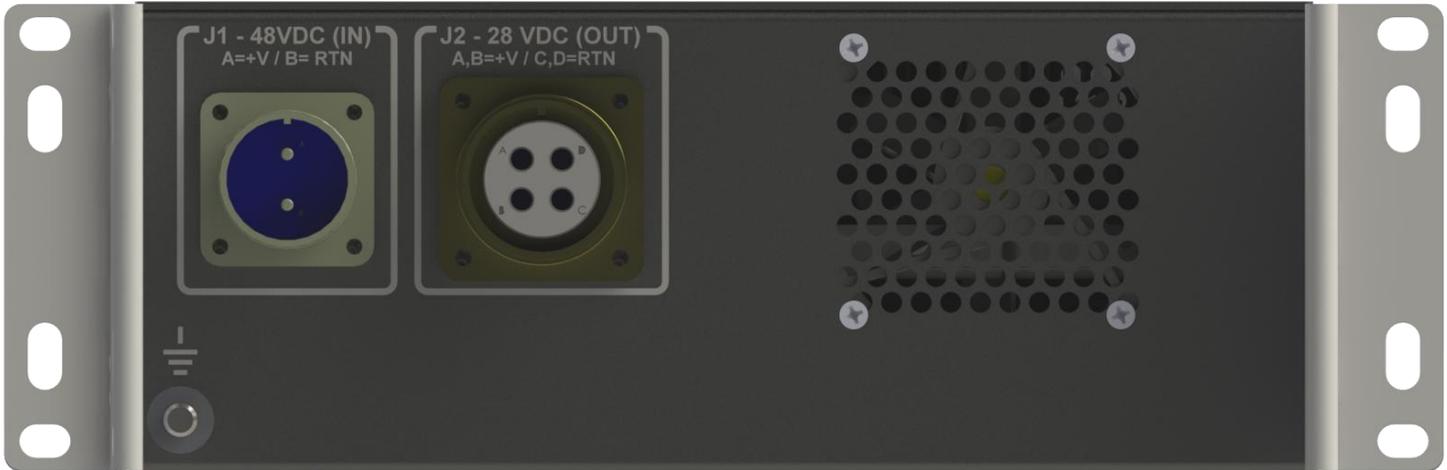
SPECIFICATION	VALUE	UNITS
<b>DC Output</b>		
Rated Voltage	28	Vdc
Rated Max. Current	14.3	Adc
Max. Rated Power	400	Watts
Run Time on Battery	>10 @ 25°C, 80% Load (zero output below 0C)	Minutes
	>120 with 75W load (zero output below 0C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
<b>DC Input</b>		
Voltage	48	Volts DC
Nominal Current	14 @ 42	Amps DC
Inrush Current (typical)	40	Amps DC
Efficiency (typical)	≥80	%
Conversion	Single	
<b>Isolation</b>		
DC Input to DC Output	Yes	
<b>Internal Battery Module</b>		
Rating	28	Vdc
Ampacity	8.55	Ah
Type	Lithium Iron Phosphate	
Recharge Time	5 - 6 Hours to 95% after full discharge	
<b>Protection</b>		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
DC Input Protection	Yes	

SPECIFICATION	VALUE	UNITS
<b>Front Panel Indicators</b>		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Power LED	Green=Unit On	
<b>Front Panel Control</b>		
On/Off Switch	When On, enables UPS output, when in off position, no DC output is present	
Battery Disconnect	Disconnects internal battery from circuit, prevents discharge during storage, OUT=Battery Disconnected, IN=Battery In Service	
Audible Alarm	Toggle switch, up enables audible alarm, down disables	
<b>Connectors</b>		
DC Output	1 x MS3102E20-4S, Pin A,B= +Vout, Pin C,D= Return	J2
DC Input	1 x MS3102E16-11P. A= +Vin, B=-Vin	J1
Safety Ground	¼ -20 Stud (Rear Panel)	
<b>Environmental</b>		
Operating Temperature Range	-20 to +55*	°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* (Front panel re-useable filter installed)	
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
<b>Other Specifications</b>		
Startup Time	<30	Seconds
Cooling	Front Panel Intake & Rear Exhaust Airflow	
MIL-STD 461F*	Compliant with CE102, CS114/115/116, CS101 & RS103	
	<b>* Designed to meet, formal report requires lab testing at additional expense</b>	

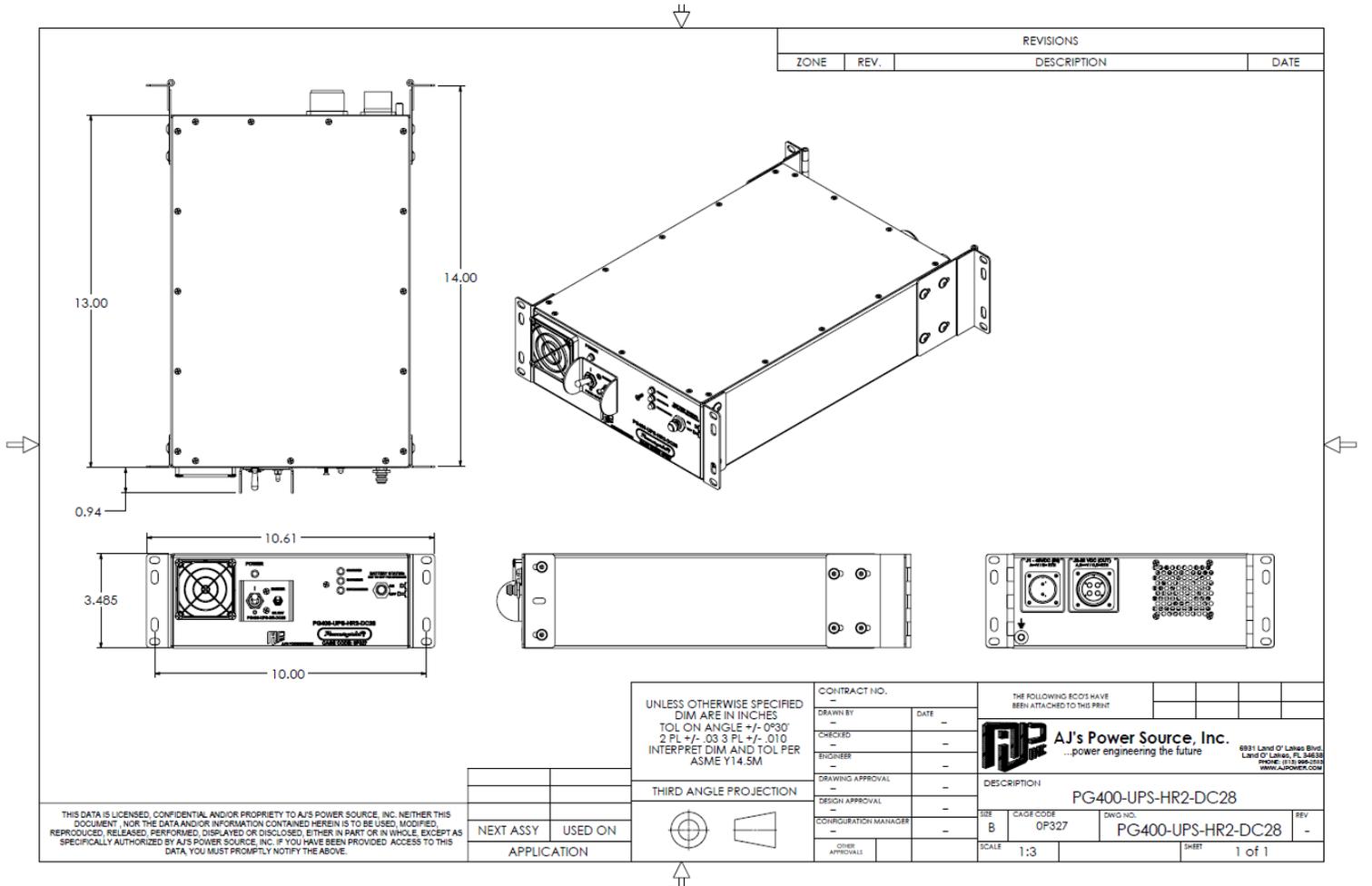
SPECIFICATION	VALUE	UNITS
<b>Physical Properties</b>		
Dimensions	3.48H x 8.81W x 13D	inch
Mounting	2U Height, 14 Inch Depth, Half Rack	
Mounting Hardware	Hinged Rear Brackets	
Weight	15.0	lbs.
Material	Aluminum	
Color/Finish	Black #F63-B70 / Light Texture	



**PG400-UPS-HR2-DC28**  
**Front View**



**PG400-UPS-HR2-DC28**  
**Rear View**



**PG400-UPS-HR2-DC28**  
**Mechanical Drawing**