

Document Number: 140418JL	Originator: MH	Date: Dec 11, 2023 (UPDATE)
---------------------------	----------------	-----------------------------

Data Sheet
PG150-UPS-HR-DC-EB

UPS for Transit Application (24VDC Output / 150 Watt)

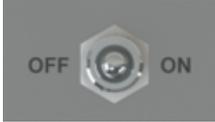


Document Number: 120514JL	Originator: / Sign:	Approved By: / Sign:
---------------------------	---------------------	----------------------

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.

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

SPECIFICATION	VALUE	UNITS
DC Output		
Rated Voltage	24 +/-2%	VDC
Rated Max. Current	6.25	Adc
Max. Rated Power	150	Watts
Run Time on Battery	>= 30	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
DC Input		
Voltage Range	12 (regulated)	VDC
Efficiency (typical)	≥ 92	%
Isolation		
Input to Output	Yes	
Internal Battery Module		
Rating	28	Vdc
Ampacity	2.50	Ah
Type	Lithium Iron Phosphate	
Recharge Time	3 - 4 Hours to 95% after full discharge	
Protection		
Over Load	Yes – restart needed to clear	
Output Short Circuit	Yes – restart needed to clear	
Over Temperature	Yes – restart needed to clear	
Connectors		
DC Output	ASMPR45-1X2-RK (Anderson Power) 	J2
DC Input	ASMPR45-1X2-RK (Anderson Power) 	J1
Safety Ground	¼ -20 Stud (Rear Panel)	

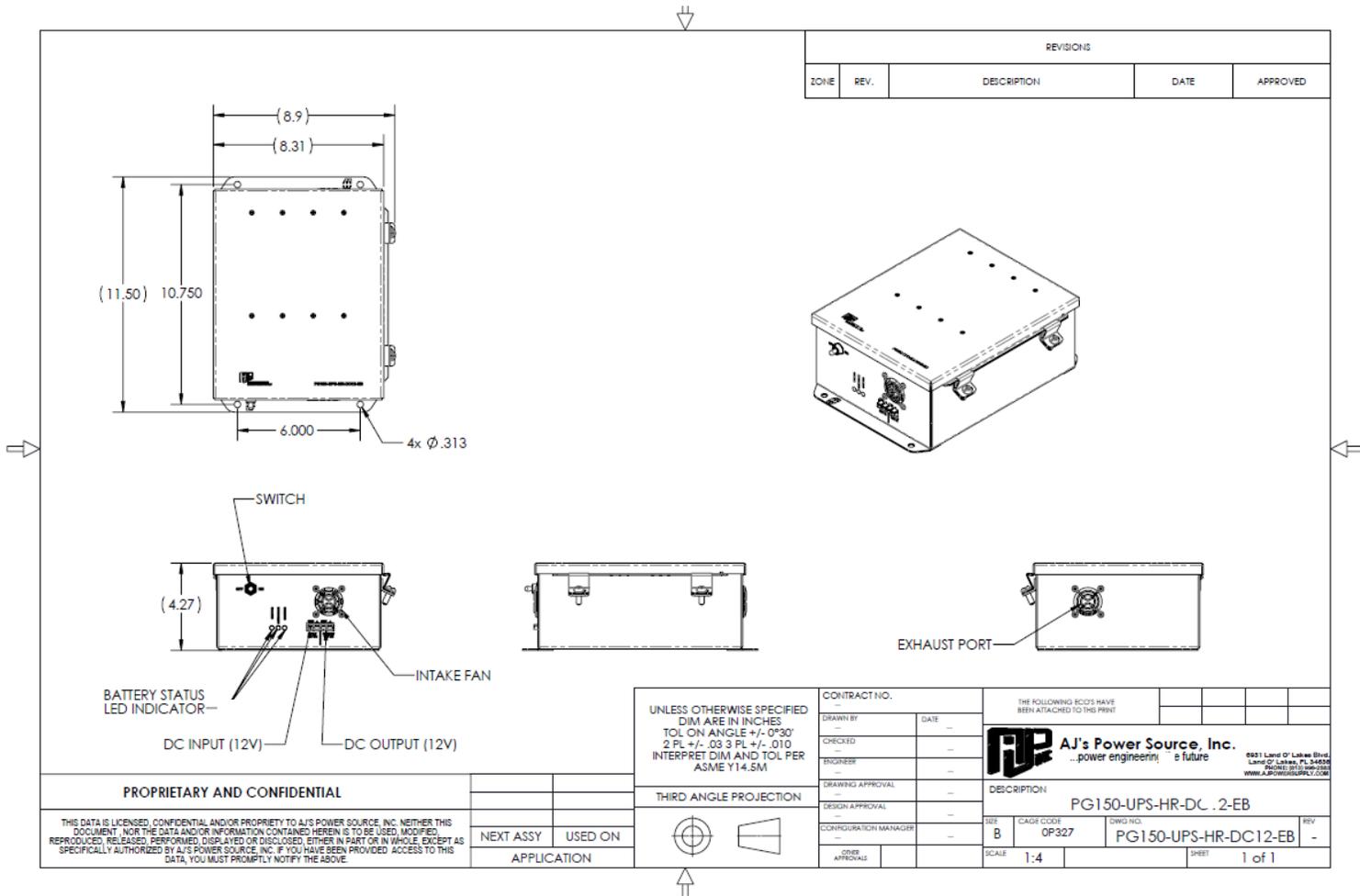
SPECIFICATION	VALUE	UNITS
Power Switch & LED	See image 	
Battery status LEDs	See image 	
Environmental		
Operating Temperature Range	-20 to +55*	°C
Storage Temperature Range	-40 to +70*	°C
Operating Humidity	95 non-condensing*	%
Altitude	10,000 (Operating) / 40,000 (Non-Operating) *	feet
Fungus	No fungus promoting materials used	
Vibration	MIL-STD-810G, Method 514, Category 4 Truck/Trailer secured cargo and Category 11 Rail *	
Functional Shock	MIL-STD-810G, Method 516, Procedure II Transportation and Procedure V Crash Hazard *	
Other Specifications		
Cooling	Front Panel Intake & Rear Exhaust Airflow	
MTBF	>100,000 (Calculated per MIL-HDBK-217) *	Hours
Physical Properties		
Dimensions	4.27H x 8.9W x 10.31D	inch
Mounting	Bracket – see drawing	
Weight	=/ < 15	lbs.
Material	Aluminum	
Color/Finish	ANSI 61 gray powder coat	
	* Designed to meet, formal report requires lab testing at additional expense	



PG150-UPS-HR-DC-EB
Front View



PG150-UPS-HR-DC-EB
Rear View



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

PROPRIETARY AND CONFIDENTIAL

THIS DATA IS LICENSED, CONFIDENTIAL AND/OR PROPRIETY TO AJ'S POWER SOURCE, INC. NEITHER THIS DOCUMENT, NOR THE DATA AND/OR INFORMATION CONTAINED HEREIN IS TO BE USED, MODIFIED, REPRODUCED, RELEASED, PERFORMED, DISPLAYED OR DISCLOSED, EITHER IN PART OR IN WHOLE, EXCEPT AS SPECIFICALLY AUTHORIZED BY AJ'S POWER SOURCE, INC. IF YOU HAVE BEEN PROVIDED ACCESS TO THIS DATA, YOU MUST PROMPTLY NOTIFY THE ABOVE.

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

THIRD ANGLE PROJECTION	
------------------------	--

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

THE FOLLOWING ECOS HAVE BEEN ATTACHED TO THIS PRINT					
AJ's Power Source, Inc. ...power engineering & future		6931 Land O Lakes Blvd Land O Lakes, FL 34638 PHONE: 813-996-2583 WWW.AJPSOURCE.COM			
DESCRIPTION PG150-UPS-HR-DC .2-EB					
REV	CAGE CODE	DWG NO.	REV		
B	OP327	PG150-UPS-HR-DC12-EB	-		
SCALE 1:4		SHEET		1 of 1	

PG150-UPS-HR-DC-EB
Mechanical Drawing