

AJPS INC.
6931 Land O Lakes Blvd
Land O Lakes FL 34638
813-996-2583

Doc. Name: PG1500-UPS-DC28-EMI/CE

Form Number: 690-0940-00

Procedure Number: XXX-XXXX-XX

Document Number: 130211JL-1

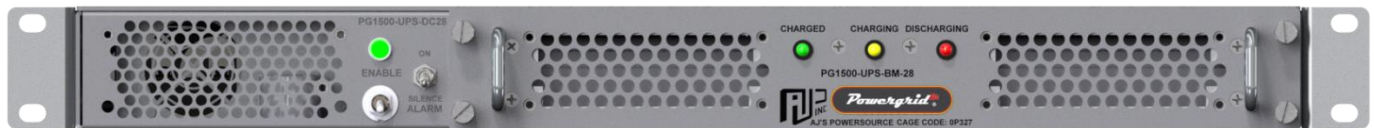
Originator: Jon Landau

Date: Feb 6, 2020 (Revision)

Data Sheet

900-0XXX-00

PG1500-UPS-DC28-EMI/CE



Document Number: 130211JL-1

Originator: / Sign:

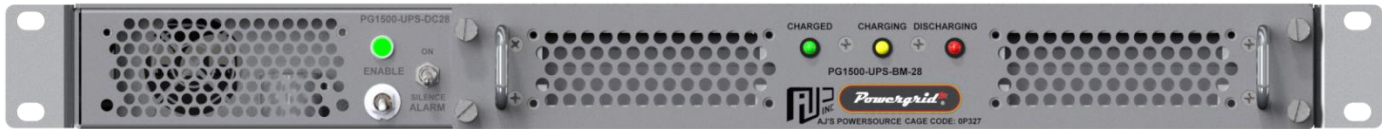
Approved By: / Sign:

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.

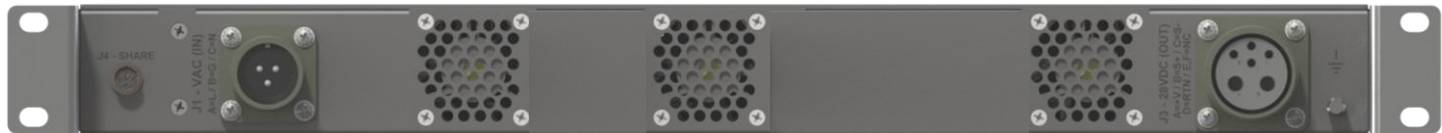
	Model: PG1500-UPS-DC28-EMI/CE, 1U 1000W UPS Module		
SPECIFICATION	VALUE	UNITS	
DC Output			
Rated Voltage	28 +/- 2%	Vdc	
Rated Max. Current	36	Adc	
Maximum Rated Power (1U)	1000	Watts	
Run Time on Battery	10 - 12 (at 25°C, 80% Load, No backup output if internal batteries are at or below freezing (0°C/32°F))		Minutes
Transfer Time to Battery	Instant, On-Line conversion		
AC Input			
Voltage Range	90-264	Vac	
Nominal Voltage	115/230	Vac	
Frequency Range	47-63	Hz	
Phase	Single		
Nominal Current	14 @ 120V / 7 @ 240V	Aac	
Inrush Current (typical)	50	Aac	
Power Factor (typical)	>0.95		
Leakage Current	<3.5	mAac	
Efficiency (typical)	>70 (Input to Output)	%	
Conversion	Double	Vac	
Battery			
Type	Lithium Iron Phosphate		
Replacement Time	Less than one minute		
Recharge Time	5 Hours to 95% after full discharge (@ +25C)		
Front Panel Indicators			
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging		
Switch/LED	Green=Output Enabled		

SPECIFICATION	VALUE	UNITS
Front Panel Control		
On/Off Switch	When on, enables UPS output	
Audible Alarm Disable	Toggle switch up enables audible alarm, toggle switch down silences audible alarm	
Rear Connectors		
DC Output	1 x MS3450L20-8S, Pin A=+28V, Pin D=Return, Pin C=Sense+, Pin E=Sense-, Pins B&F=No Conn.	J2
AC Input	1 x MS3450L16-10P, Pin A=Line, Pin B=Ground, Pin C=Neutral	J1
DC Synchronization	Load Share Sync connector, Hirose HR10A-7R-5S(73). Allows two PG1500-UPS-DC28's to be paralleled. This is non-functional – must be enabled by factory if desired.	J4
Safety Ground Stud	M8 Stud (Rear Panel)	
Protection		
Over Load	Yes (105-125% of rated output power)	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
Isolation		
AC Input to DC Output	Yes	
Color/Finish	Gray Textured Finish	
Marking		
Part number	PG1500-UPS-DC28-EMI/CE	
Format	IAW MIL-STD-130	

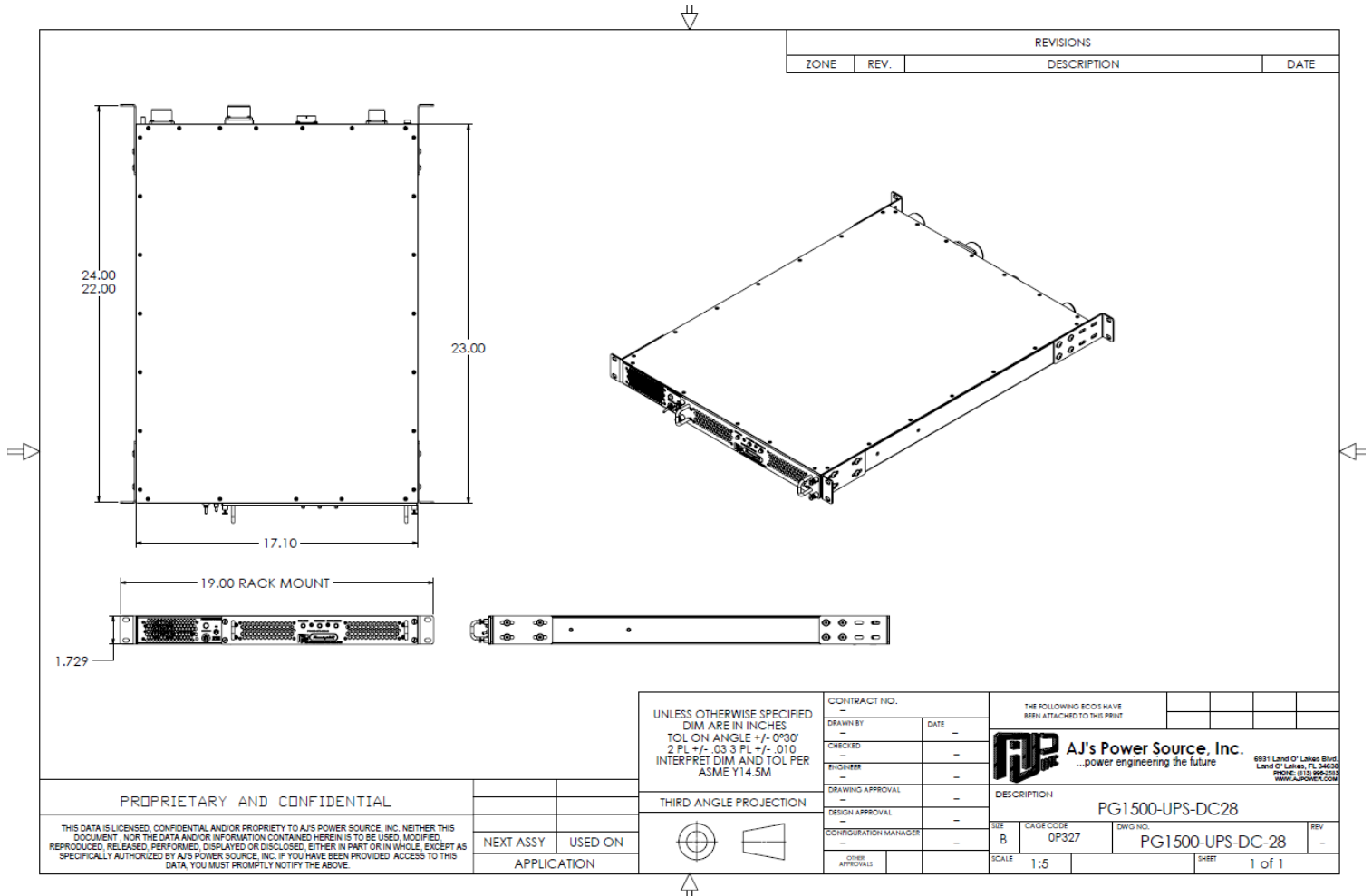
SPECIFICATION	VALUE	UNITS
Environmental		
Pressure	MIL-STD-810G, Method 500.6, Proc I*	
Altitude	MIL-STD-810G, Method 500.6, Proc III*	
Operating Temperature Range	-20 to +60 (No backup output if internal batteries are at or below freezing (0°C/32°F), will provide output power down to -31°C when run down on primary input power from 0°C or above*	°C
Storage Temperature Range	-40 to +71*	°C
Working Humidity	95 non-condensing*	%
Dust Ingress	AS60529-2004, IP2X* (w/Optional Filters)	
Vibration - Transport	MIL-STD-810G, Method 514.7, Proc I*	
Vibration - Shipboard	MIL-STD-810G, Method 528.1, Proc, I* (op)	
Shock Transit Drop	MIL-STD-810G, Method 516.7, Proc, IV* (non-op)	
Shock Underwater	MIL-STD-810G, Method 516.7, Proc I* (op) (Note that this applies to the unit inside a cabinet with shock mounts.)	
Airborne Noise	54, MIL-STD-740, Grade A12 Equip.*	dB(A)
	MIL-STD-1399/300A Compliant*	
EMI/EMC	MIL-STD-461F*	
	CE101*	
	CE102*	
	CS101*	
	CS106*	
	CS114*	
	CS116*	
	RE102*	
	RS101*	
	RS103*	
	* Designed to meet, lab testing required.	



PG1500-UPS-DC28
Front View



PG1500-UPS-DC28
Rear View



PG1500-UPS-DC28-EMI/CE Mechanical Drawing