

Document Number: 140418JL	Originator: Jon Landau	Date: January 27 th , 2022
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Data Sheet
PG400-UPS-HR-DC28



Document Number: 120514JL	Originator: / Sign:	Approved By: / Sign:
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Creation Date: 07 May 2012	Reference ECO:	Document Number Rev Level: D
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SPECIFICATION	VALUE	UNITS
DC Output		
Rated Voltage	28 +/-2%	Vdc
Rated Max. Current	14.3	Adc
Max. Rated Power	500	Watts
Run Time on Battery	>6 @ 25°C, 80% Load (zero output below 0C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
AC Input		
Voltage Range (Universal)	100 - 240	Volts AC
Frequency Range	47 - 63	Hertz
Nominal Current	4 @ 120Vac	Amps AC
Inrush Current (typical)	40	Amps AC
Efficiency (typical)	≥80	%
Power Factor (typical)	>0.95	
Leakage Current	<3 @ 120Vac	mAmps AC
Conversion	Double, On-Line	
Isolation		
AC Input to DC 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	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
Lightning Protection	Yes	

SPECIFICATION	VALUE	UNITS
SNMP v3	AC Input present, Battery Status (charging, discharging, charged), DC Output Active, Over Temperature	
Front Panel Indicators		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Power LED	Green=Unit On	
Alarm Disabled LED	Red=Alarm Disabled	
Front Panel Control		
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	
Connectors		
DC Output	1 x MS3102E20-4S, Pin A,B= +Vout, Pin C,D= Return	J2
AC Input	1 x MS3102E16-10P. A= Line, B=Ground, C =Neutral	J1
Ethernet Port	Standard RJ-45	J3
Safety Ground	¼ -20 Stud (Rear Panel)	
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	
Sand and Dust	MIL-STD-810G* (Front panel re-useable filter installed)	
Vibration	MIL-STD-810G, Method 514.6, Category 20, Figure 514.6C-3, Table 514.6C-VI*	
Functional Shock	MIL-STD-810G, Method 516.6, Procedure I, Section 4.6.2.3 and Table 516.6-I, Ground Equipment*	
Other Specifications		
Startup Time	<30	Seconds
Cooling	Front Panel Intake & Rear Exhaust Airflow	
MIL-STD 461F*	Compliant with CE102, CS114/115/116, CS101 & RS103	
MTBF	>102,000 (Calculated per MIL-HDBK-217)	Hours
	* Designed to meet, formal report requires lab testing at additional expense	

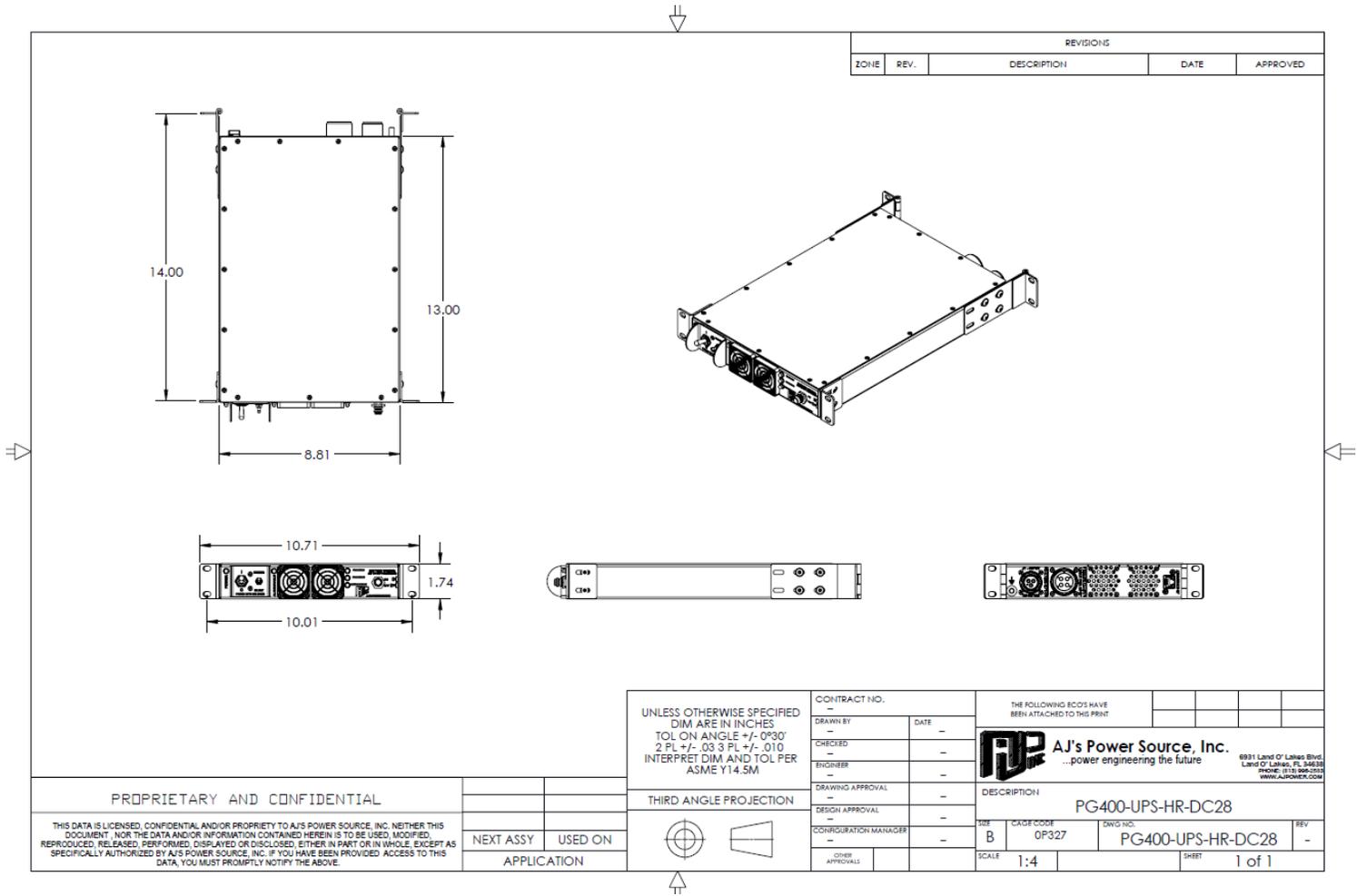
SPECIFICATION	VALUE	UNITS
Physical Properties		
Dimensions	1.74H x 8.81W x 13D	inch
Mounting	1U Height, 14 Inch Depth, Half Rack	
Mounting Hardware	Hinged Rear Brackets	
Weight	12.0	lbs.
Material	Aluminum	
Color/Finish	Black #F63-B70 / Light Texture	



PG400-UPS-HR-DC28
Front View



PG400-UPS-HR-DC28
Rear View



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						THIRD ANGLE PROJECTION 	DRAWN BY -	DATE -	AJ's Power Source, Inc. <i>...power engineering the future</i> <small>6931 Land O Lakes Blvd Land O Lakes, FL 34638 PHONE: (813) 996-2583 WWW.AJPSOURCE.COM</small>	
APPLICATION NEXT ASSY USED ON	DESIGN APPROVAL -	ENGINEER -	DRAWING APPROVAL -	DESCRIPTION PG400-UPS-HR-DC28						
		CONFIGURATION MANAGER -	CHECK APPROVALS -	SIZE B	CASE CODE 0P327	DWG NO. PG400-UPS-HR-DC28	REV -	SCALE 1:4	SHEET 1 of 1	

PG400-UPS-HR-DC28 Mechanical Drawing