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Originator: Jon Landau

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Data Sheet

PG1500-UPS-BPM-DC24



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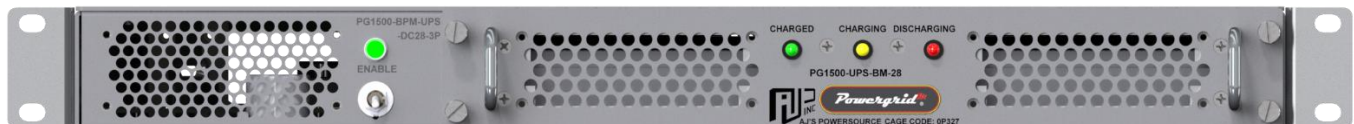
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SPECIFICATION	VALUE	UNITS
Model: PG1500-UPS-BPM-DC24, 1U 1000W UPS Module		
DC Output		
Rated Voltage	24	Vdc
Rated Max. Current	42	Adc
Maximum Rated Power (1U)	1000	Watts
Run Time on Battery	10 - 12 (at 25°C, 80% Load, No backup output if internal 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	Volts AC
Frequency Range	57-63	Hertz
Phase	Single	
Nominal Current	10 (@120Vac in)	Amps AC
Inrush Current (typical)	50	Amps AC
Power Factor (typical)	>0.9	
Leakage Current	<3	mAmps AC
Efficiency (typical)	>85	%
Conversion	Double	
Battery		
Rating	28	Vdc
Type	Lithium Iron Phosphate	
Hot-Swappable	Yes (when on AC Input)	
Replacement Time	Less than one minute	
Recharge Time	5 Hours to 95% after full discharge	
Front Panel Indicators		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Switch LED	Green=Unit On	
Front Panel Control		
On/Off Switch	When on, enables UPS output function	
Protection		
Over Load	Yes, controlled by Dc/Dc converter module	
Output Short Circuit	Auto recovery from short when abnormal is removed	
Over Temperature	Internally controlled at the inverter level	
AC Input Protection	Provided by the front end power supply stage	

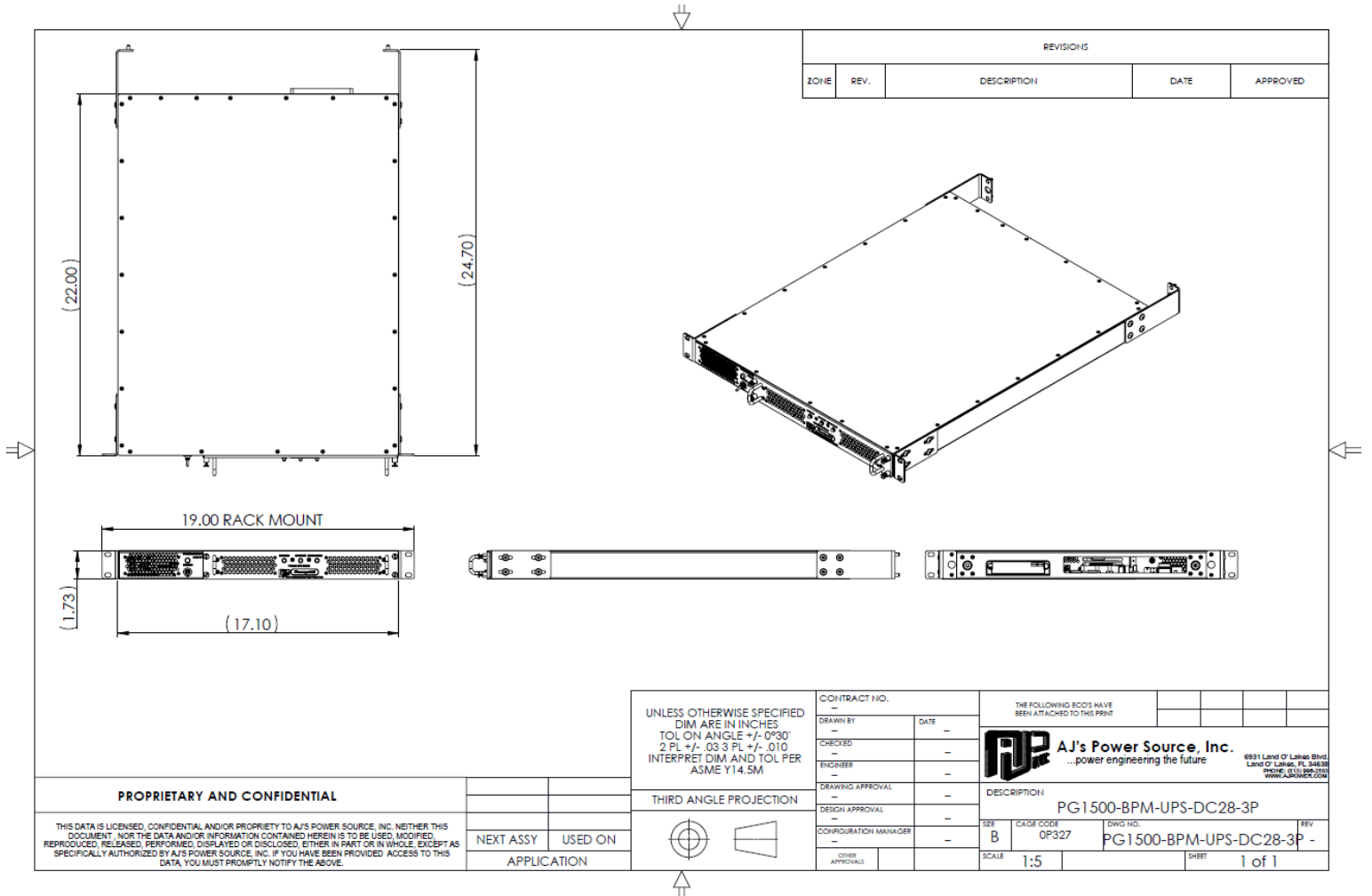
SPECIFICATION	VALUE	UNITS
Isolation		
AC Input to DC Output	Yes, Double	
Mounting		
	Front fixed brackets, rear brackets to mate with PowerGrid backplane	
Physical Properties		
Dimensions	1.73H x 17.1W x 22D	inch
Mounting	1U 19 Inch Rack	
Weight	27	lbs.
Chassis Material	Aluminum	
Exterior Color/Finish	Aircraft Gray(FED-STD-595), textured paint, FS36300	
Interior Finish	Irridite finish (MIL-DTL-5541 TYPE II, CL3)	
Brackets Material/Finish	Aluminum/Irridite finish (MIL-DTL-5541 TYPE II, CL3)	



PG1500-UPS-BPM-DC24
Front View



PG1500-UPS-BPM-DC24
Rear View



PG1500-UPS-BPM-DC24
Mechanical View