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Data Sheet

PG1500-UPS-230-NG



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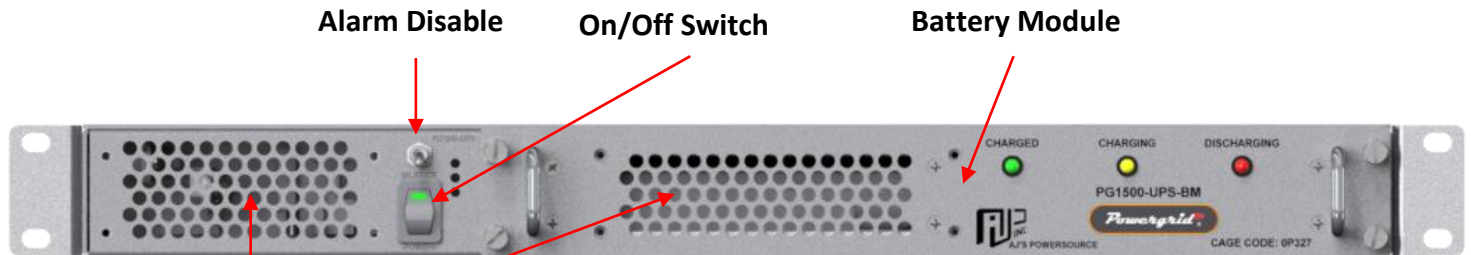
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SPECIFICATION	VALUE	UNITS
AC Output		
Rated Voltage	230 Pure Sine Wave ($\pm 5\%$)	Volts
Frequency	50 ($\pm 0.25\%$)	Hertz
Rated Max. Current	5.2	Amps
Maximum Rated Power	1500VA (0.8PF), 1200W (w/resistive load)	
Phase	Single	
Total Harmonic Distortion	< 5 (w/resistive load)	%
Run Time on Battery	13 - 15 (at 25°C, 80% Load, zero at or below 0C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
AC Input		
Voltage Range	90 – 264	Volts AC
Nominal Voltage	115/230	Volts AC
Frequency Range	47 – 63	Hertz
Nominal Current	10 @ 230V	Amps AC
Inrush Current (typical)	50	Amps AC
Power Factor (typical)	> 0.98 @ 230VAC (full load)	
Leakage Current	< 3 @ 230VAC	mAmps AC
Efficiency (typical)	> 80 @ 120VAC (Input to Output)	%
Conversion	Double	
Battery		
Rating	48	Vdc
Type	Lithium Iron Phosphate	
Capacity	5.7	Ah
Hot-Swappable	Yes (when on AC Input)	
Replacement Time	Less than one minute	
Recharge Time	5 Hours to 95% after full discharge	
BXM Input		
Voltage Range	41 – 56 (Minimum Input Voltage Turn-ON ≥ 42 VDC)	Vdc
Nominal Voltage	48	Vdc
Nominal Current	60	Adc
Inrush Current (typical)	120@48V	Adc
Efficiency (typical)	> 84	%
Conversion	Single	

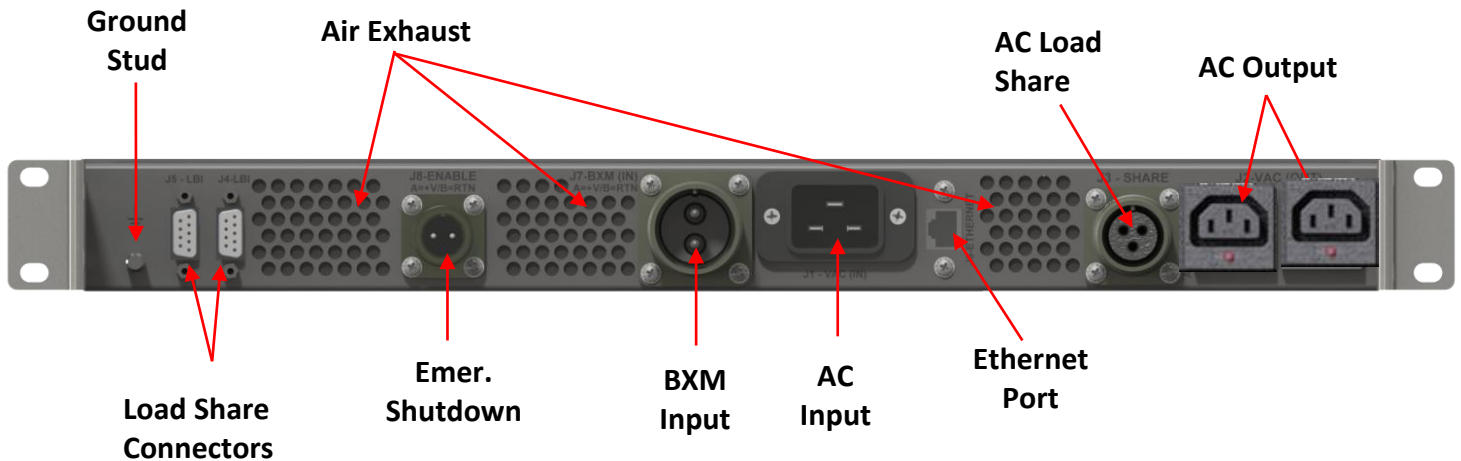
SPECIFICATION	VALUE	UNITS
Front Panel Indicators		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Switch LED	Green=Unit On	
Front Panel Control		
On/Off Switch	When on, enables UPS output	
Alarm Disable	Enable/disable the audible alarm sounder	
SNMP v3		
	AC Input present, Battery Status (charged, charging, discharging), AC Output Active, Over Temperature	
Rear Connectors		
AC Output	2 x IEC320/C13 Receptacles	J2
AC Input	IEC 320/C20 male receptacle	J1
AC Load Share	Type MS3102E16-10S	J3
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
Load Share Interface*	Female Sub-D 9 Pin	J4, J5
	* Allows units to be stacked for increase in power handling capability, provides synchronization between units	
Ethernet	RJ-45, standard Ethernet pin out	J6
Emergency Cutoff	MS3102E12S3S, Pin A = +V, Pin B = -V Contact closure Open = output enabled, Closed via external switch = output disabled	J8
BXM Input	MS3102E20-23P, Pin A = +Vin, Pin B = -Vin	J7
Safety Ground Stud	¼ -20 Stud (Rear Panel)	
Protection		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
BXM Input Protection	Yes	
Isolation		
AC Input to AC Output	Yes, Double	
BXM Input to AC Output	Yes, Double	
	Output AC has neutral leg tied to earth/chassis ground.	

SPECIFICATION	VALUE	UNITS
Environmental		
Operating Temperature Range	–20 to +50	°C
Storage Temperature Range	–40 to +65	°C
Working Humidity	95 non-condensing	%
Altitude	10, 000 (Operating) / 40,000 (Non-Operating)	feet
Fungus	MIL-STD-810G, method 508*	
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
	* Designed to meet, lab testing required.	
Physical Properties		
Dimensions	1.735H x 17.1W x 23D	inch
Mounting	1U 19 Inch Rack (adjustable mounting depth)	
Weight	27	lbs.
Material	Aluminum	
Color/Finish	Gray	

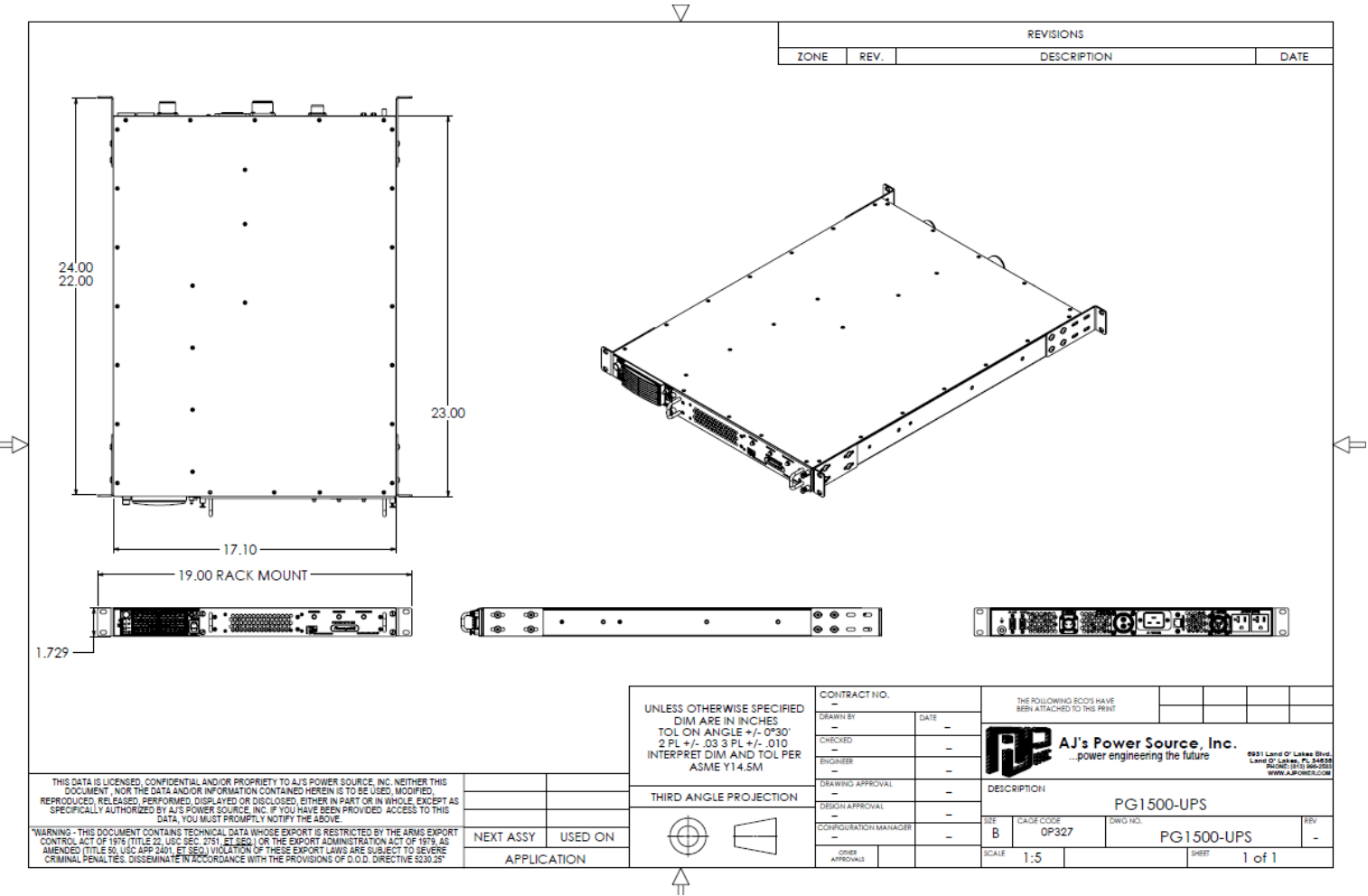


Air Intake

Front View



Rear View



Mechanical Drawing
(PG1500-UPS shown, PG1500-UPS-230-NG similar)