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Data Sheet

PG1500-UPS-2U Rev A



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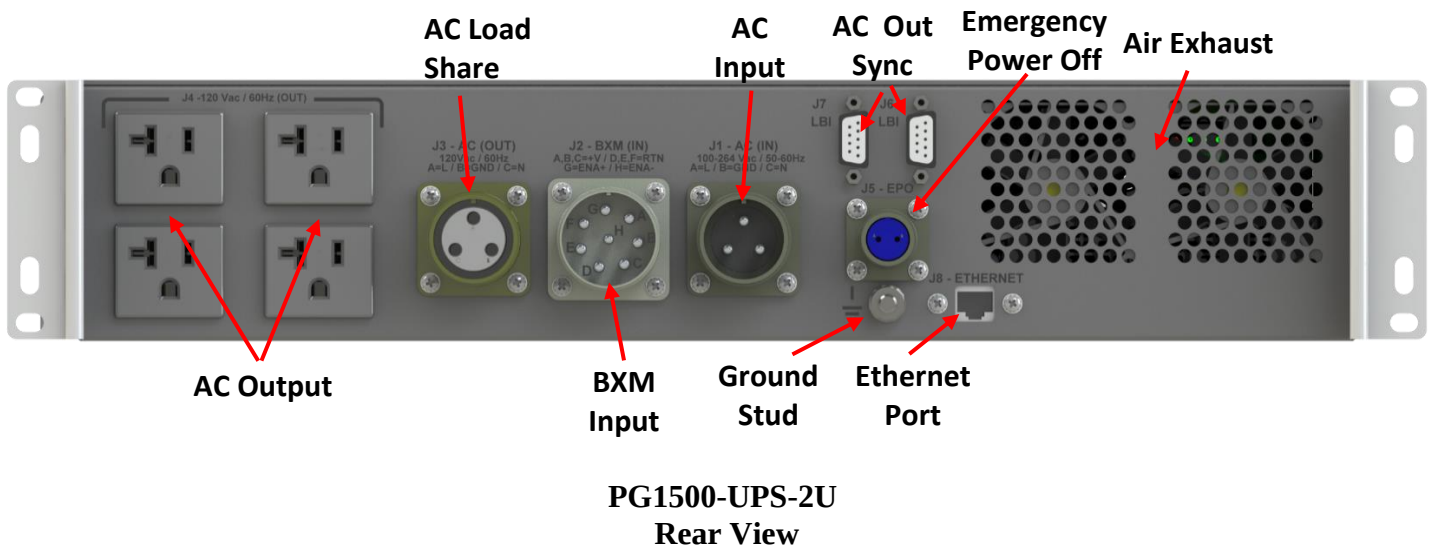
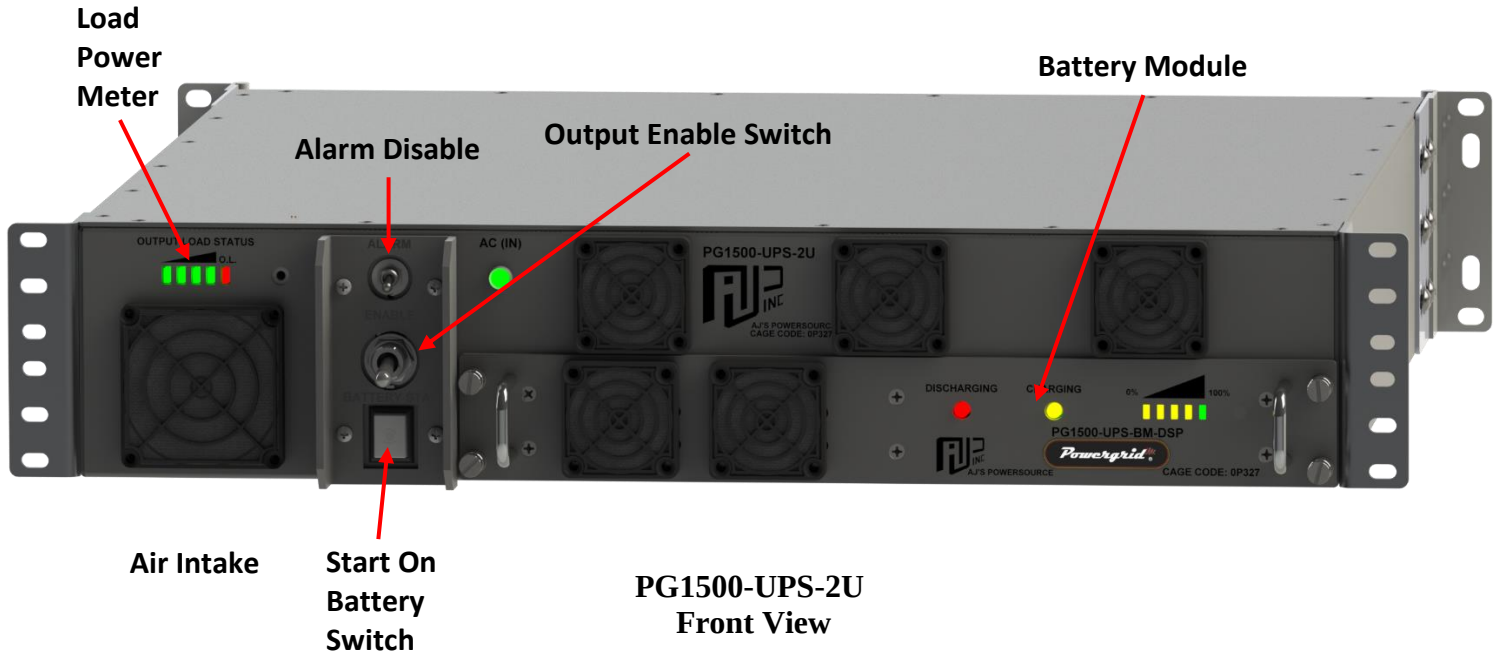
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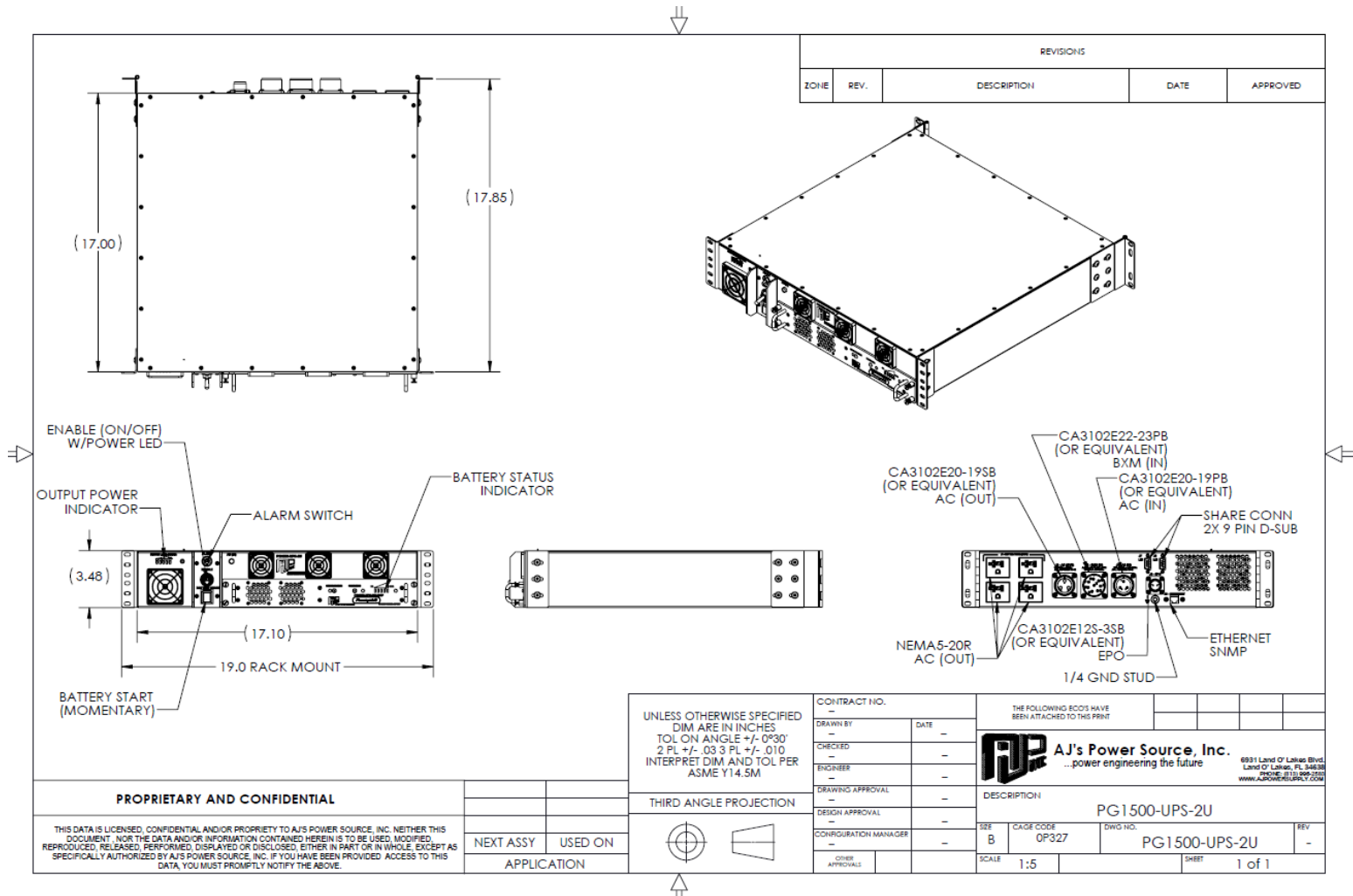
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SPECIFICATION	VALUE	UNITS
AC Output		
Rated Voltage	120 Pure Sine Wave ($\pm 5\%$)	Volts
Frequency	60 ($\pm 0.25\%$)	Hertz
Rated Max. Current	10	Amps
Maximum Rated Power	1500VA (0.8PF), 1200W (w/resistive load)	
Phase	Single	
Total Harmonic Distortion	< 5 (w/resistive load)	%
Run Time on Battery	> 12 (at 25°C , 80% Load, zero at or below 0°C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion, Internal Ac/Dc converter provides full power down to 85Vac input, below 85Vac input, internal batteries support the load	
AC Input		
Voltage Range	90 – 264 (phase to phase or phase to neutral)	Volts AC
Frequency Range	47 – 63, 400 (115Vac only)	Hertz
Nominal Current	14 @ 115V	Amps AC
Inrush Current (typical)	50	Amps AC
Power Factor (typical)	> 0.98	
Leakage Current	< 3	mAmps AC
Efficiency (typical)	> 80 (Ac Input to AC Output)	%
Conversion	Double	
Battery		
Rating	48	Vdc
Type	Lithium Iron Phosphate	
Capacity	5.0	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 $\geq 42\text{VDC}$)	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, Output Enabled	
Load Power	Displays 0 – 100% of Rated Output Power in 25% increments, and if Overload Is present	
Front Panel Control		
Main On/Off Switch	When on, enables UPS output and battery start	
Alarm Disable	Enable/disable the audible alarm sounder	
Start on Battery Switch	When Main On/Off is ON, will start unit on internal batteries	
SNMP v3		
	AC Input present, Battery Status (charged, charging, discharging), AC Output Active, Over Temperature	
Connectors		
AC Output	4 x NEMA 5-20R Receptacles	J4
AC Input	1 x CA3102E20-19PB	J1
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
AC Load Share*	1 x CA3102E20-19SB	J3
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
Load Share Interface*	2 x Female Sub-D 9 Pin	J5, J6
	* Allows units to be stacked for increase in power handling capability, provides synchronization between units (not used in single UPS installation)	
Emergency Power Off	CA3102E12S-3SB, A = +V, B = RTN, Normally open contact, requires external switch closure to disable output	J8
Ethernet	1 x RJ-45, standard Ethernet pin out (SNMP communications)	J7
BXM Input	1 x CA3102E22-23PB A,B,C = +V / D,E,F = -V / G = ENA+ / H = ENA-	J2
Safety Ground Stud	¼ -20 Stud (Rear Panel)	
Protection		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
Isolation		
AC Input to AC Output	Yes, Double	
BXM Input to AC Output	Yes, Double	

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) Derate by 25% (900W) at 15,000 / 40,000 (Non-Operating)*	feet
Fungus	MIL-STD-810G, method 508*	
Sand and Dust	MIL-STD-810G* (w/Optional Filters)	
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
Audible Noise	40 Goal, spec to 60	dB
EMI		
MIL-STD-461F	CE102, RE102*	
	* Designed to meet, lab testing required for formal certification	
Physical Properties		
Dimensions	3.48” H x 17.10”W x 17”D	inch
Mounting	2U 19 Inch Rack (adjustable mounting depth)	
Weight	~27	lbs.
Material	Aluminum	
Color/Finish	Black / Light Texture	





PG1500-UPS-2U
Mechanical Drawing