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

Doc. Name: PG800-UPS
Form Number: 690-0940-00
Procedure Number: XXX-XXXX-XX

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Data Sheet

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PG800-UPS

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SPECIFICATION	VALUE	UNITS
AC Output		
Rated Voltage	120 Pure Sine Wave (±5%) (230 Pure Sine Wave Optional)	Volts AC
Frequency	60 (±0.25%) (50 Hz Optional)	Hertz
Rated Max. Current	6.7 @ 120V	Amps
Max. Rated Power (1U to 5U Stackable)	800 – 4000	Watts
Maximum VA (1U to 5U Stackable)	800 - 4000	VA
Phase	Single	
Total Harmonic Distortion	<1% (w/Resistive Load)	%
Run Time on Battery	9 - 10 (@ 25°C, 80% Load, de-rated below 10C)	Minutes
Transfer Time to Battery	Instant, On-Line conversion	
By-Pass Mode (Non-Stacking)	ACout = ACin @ ≤135in ONLY (w/By-Pass Cable)	Volts AC
AC Input		
Voltage Range (Universal)	100 – 264	Volts AC
Nominal Voltage (Universal)	115 / 230	Volts AC
Frequency Range	47 - 63 @ 100-264Vac / 393 - 407 @ 115Vac	Hertz
Nominal Current	10 @ 120Vac / 5 @ 230Vac	Amps AC
Inrush Current (typical)	50	Amps AC
Efficiency (typical)	≥80 @ 120Vac	%
Power Factor (typical)	>0.98 @ 115Vac / >0.95 @ 230Vac (Full Load)	
Leakage Current	<3 @ 230VAC	mAmps AC
Conversion	Double, On-Line	
DC Input		
Voltage Range	22 - 32V (Input UV Turn-ON ≥23Vdc)	Volts DC
Nominal Voltage	28V	Volts DC
Nominal Current	34A	Amps DC
Efficiency (typical)	≥84 @ 30Vdc / ≥82 @ 22Vdc	%
Conversion	Single	
MIL-STD-1275D	Yes (Except Sec. 3.1.6)	
Isolation		
AC Input to AC Output	Yes (Not in By-Pass Mode)	
DC input to AC Output	Yes	

SPECIFICATION	VALUE	UNITS
Internal Battery Modules		
Rating	28 (two battery modules in Parallel)	Vdc
Type	Lithium Iron Phosphate	
Hot-Swappable	Yes, during primary AC input power	
Replacement Time	Less than one minute	
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	
DC Input Protection	Yes	
Lightning Protection	Yes	
Front Panel Indicators		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Switch LED	Green=Unit On	
Front Panel Control		
Alarm Disable	Cover port and release to silence	
On/Off Switch	When On, enables UPS output	
Connectors		
AC Output (P1)	MS3102A16-10S	Circular
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
AC Input (P2)	MS3102A16-10P	Circular
	Pin A = Line, Pin B = Ground, Pin C = Neutral	
DC Input (P4)	MS3102A20-23P	Circular
	Pin A = +Vin , Pin B = Common	
Ethernet (P3)	RJ-45 (SNMP Communication)	Circular
Load Balance Interface (P5 / P6)	Stacking up to 5 Units (Requires 5-Pin LBI Cable Supplied)	Circular
Safety Ground	¼ -20 Stud (Rear Panel)	

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SPECIFICATION	VALUE	UNITS
Environmental		
Operating Temperature Range	–20 to +54 (75% Load Derating from 50 to 54)	^{0}C
Storage Temperature Range	-40 to +70	^{0}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* (w/Filters)	
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
	* **Designed to meet, lab testing required.**	
Other Specifications		
Startup Time	<30	Seconds
Control & Status	SNMP v1 Communication	
Alarm	Audible AC/DC Power Loss (w/Disable)	
Cooling	Rear Panel Intake & Exhaust Internal Airflow	
MIL-STD 461F	Yes (with optional EMI Filters) RE102, CE102, CS114-116, CS101 & RS103	
MTBF	111,000 (Calculated per MIL-HDBK-217)	Hours
Physical Properties		
Dimensions	1.73H x 17.1W x 21.75D (Fits 20”–26” Rack Depth)	inch
Mounting	1U Size for 19 Inch Rack (adjustable from 20”–26” Rack Depth)	
Weight	25	lbs.
Material	Aluminum	
Color/Finish	Black #F63-B70 / Light Texture (Other colors are optional)	

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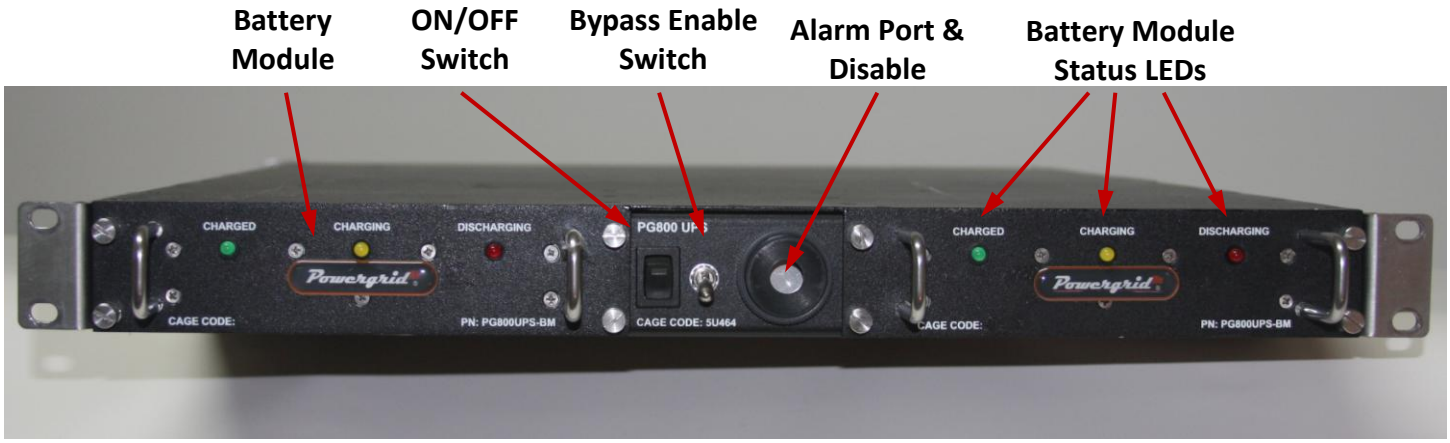
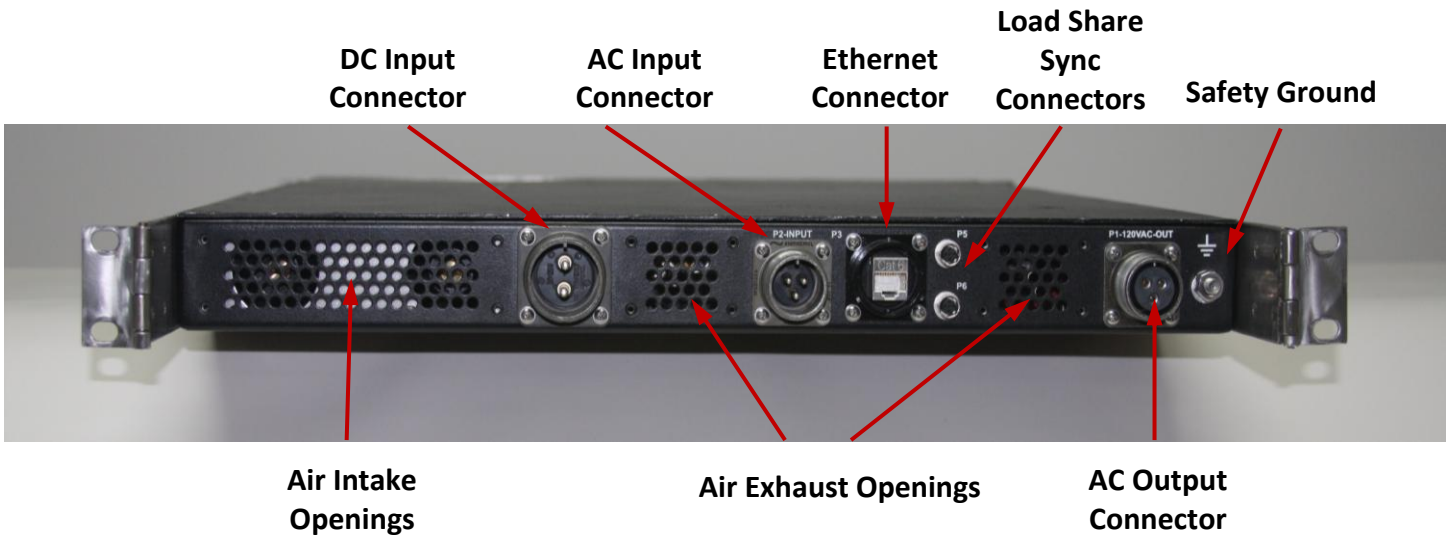


Front View



Rear View

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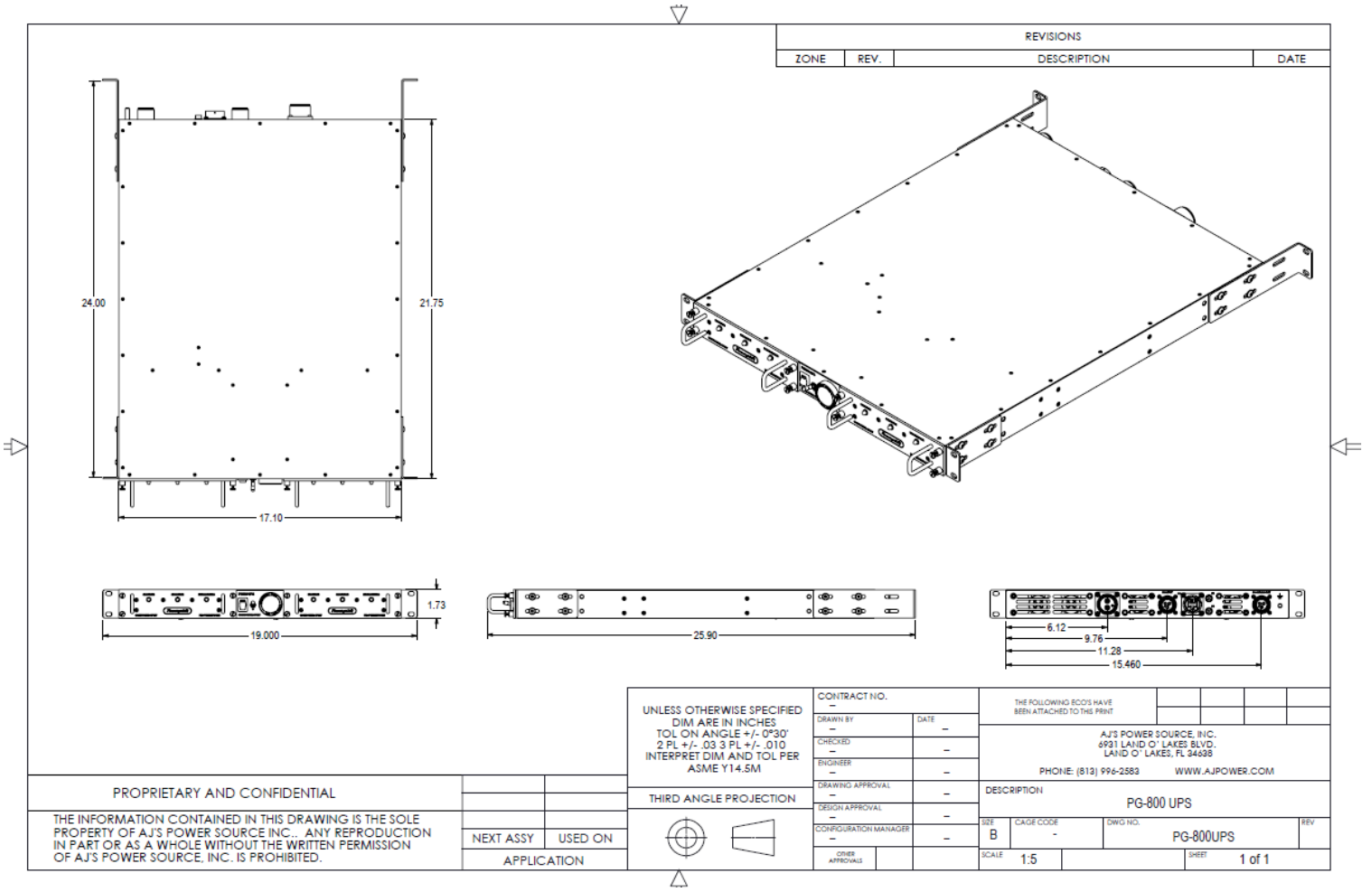

Mechanical Drawing

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