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Data Sheet
900-0891-00
PG400UPS-AC-DC-BATT-28



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SPECIFICATION	VALUE	UNITS
<b>DC Output</b>		
Rated Voltage	24 (nominal)	Volts DC
Rated Max Current	16.6	Amps
Maximum Rated Power	400 (continuous)	Watts
	For powering network equipment and charging BB-2590 batteries.	
<b>AC Input</b>		
Voltage Range (Universal)	90 – 264 (unit labeled 100 – 240Vac for agency test rating)	Volts AC
Frequency Range	47 - 63	Hertz
Nominal Current	5 @ 120Vac	Amps AC
Inrush Current (typical)	40	Amps AC
Efficiency (typical)	≥80	%
Power Factor (typical)	>0.95	
Leakage Current	<3 @ 120VAC	mAmps AC
<b>DC Input (from vehicle)</b>		
Voltage Range	10-36 (per MIL-STD-1275)	Volts DC
Nominal Voltage	24	Volts DC
Nominal Current	20	Amps DC
Efficiency (typical)	≥80	%
<b>DC Input (from battery)</b>		
Nominal Voltage	28.8 (Two x 14.4V/section)	Volts DC
Maximum voltage	33.6 (Two x 16.8V/section)	Volts DC
Current (Max continuous)	10 (per section)	Amps
Efficiency (typical)	≥80	%
<b>Isolation</b>		
AC Input to DC Output	Yes	
DC Input to DC Output (vehicle)	Yes	
DC Input to DC Output (battery)	No	
<b>Protection</b>		
Overload	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC Input Protection	Yes	
Lightning Protection	Yes	

SPECIFICATION	VALUE	UNITS
<b>SNMP v3</b>	AC or DC Input present, Battery Status (charging, discharging, charged), AC Output Active, Over Temperature	
<b>Front Panel Indicators</b>		
Power LED	Green=Unit On	
AC in	Green=Unit On	
DC in	Green=Unit On	
Battery	Green=Unit On	
<b>Front Panel Control</b>		
On/Off Switch	When On, enables UPS output. When Off, no output is present on any connectors.	
<b>Connectors</b>		
DC Output (Front)	8 x LEMO EGG.1B.304.CLL	J4
Battery (In/Out) (Rear)	2 x MS3102E14S-5P	J3
AC Input (Front)	03P D-SUB	J1
DC Input (Front)	MS3474W14-4P	J2
Ethernet Port (Rear)	RJ-45	J5
Safety Ground (Rear)	¼ -20 Stud (Rear Panel)	
<b>Environmental</b>		
Operating Temperature Range	-20 to +50*	°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*	
<b>Other Specifications</b>		
Startup Time	<5	Seconds
Cooling	Rear Panel Intake & Front Exhaust Airflow	
Electronic Emissions	MIL-STD-461 (CE102, CS114/115/116, CS101, RE102, RS103) *	
MTBF	>100,000 (Calculated per MIL-HDBK-217)	Hours
	<b>* Designed to meet, formal report requires lab testing at additional expense</b>	

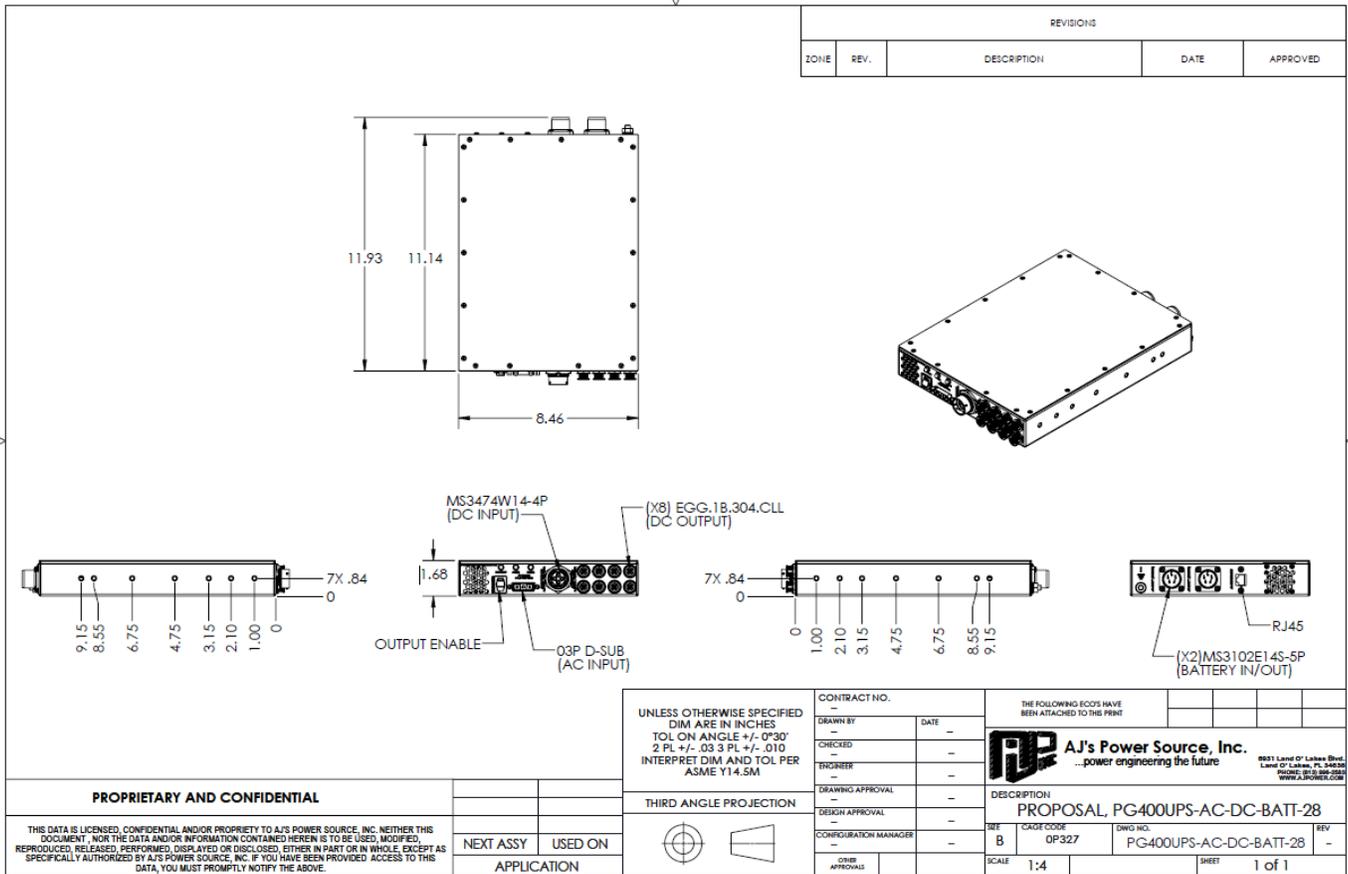




**PG400UPS-AC-DC-BATT-28**  
**Front View**



**PG400UPS-AC-DC-BATT-28**  
**Rear View**



**PG400UPS-AC-DC-BATT-28**  
**Mechanical Drawing**