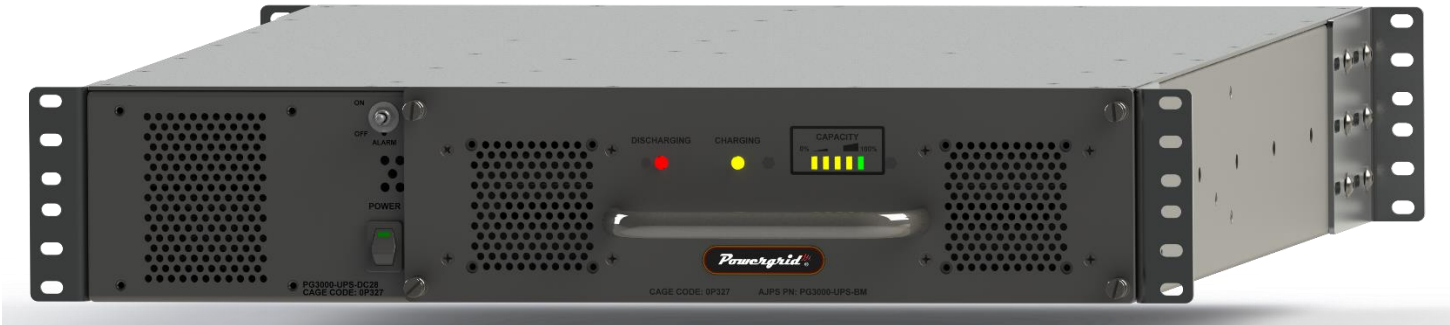


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Data Sheet
PG3000-UPS-DC28



Document Number: 130211JL-1	Originator: / Sign:	Approved By: / Sign:
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Creation Date: 07 May 2012	Reference ECO:	Document Number Rev Level:
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Model: PG3000-UPS-DC28, 2U 2000W UPS Module		
SPECIFICATION	VALUE	UNITS
DC Output		
Rated Voltage	28	Vdc
Rated Max. Current	71	Adc
Maximum Rated Power	2000	Watts
Run Time on Battery	10 - 12 (at 25°C, 2,000W 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	100 - 240	Volts AC
Phase	Single	
Frequency Range	47-63	Hertz
Inrush Current (typical)	100 (maximum)	Amps AC
Power Factor (typical)	>0.9	
Leakage Current	<4.0	mAmps AC
Efficiency (typical)	>80 (Input to Output)	%
Conversion	Double On-Line	
Front Panel Indicators		
Battery Status	Yellow=Charging, Red=Discharging, Capacity Meter	
Switch LED	Green=Output Enabled	
Front Panel Control		
On/Off Switch	When on, enables UPS output	
DC Input		
Voltage Range	22 - 32V	Volts DC
Nominal Voltage	28V	Volts DC
Nominal Current	84A	Amps DC
Efficiency (typical)	≥84	%
Conversion	Single	
Rear Connectors		
DC Output	1 x MS3102E22-22S (or equivalent), Pin A,B = +28V, Pin C, D = DC Common	J3
AC Input	MS3102E20-19P (or equivalent) Pin A=Line Pin B= Ground, Pin C=Neutral	J1
DC Input	1 x MS3102E22-22P (or equivalent), Pin A,B=+Vin, Pin C,D= -Vin	J2
SNMP (Remote Status)	1 x RJ-45	J5
Emergency Power Off	1 x MS3102E12S-3S (normally open circuit, short pins to disable UPS output)	J4
Safety Ground Stud	¼ -20 Stud (Rear Panel)	
SPECIFICATION	VALUE	UNITS
Remote Status		

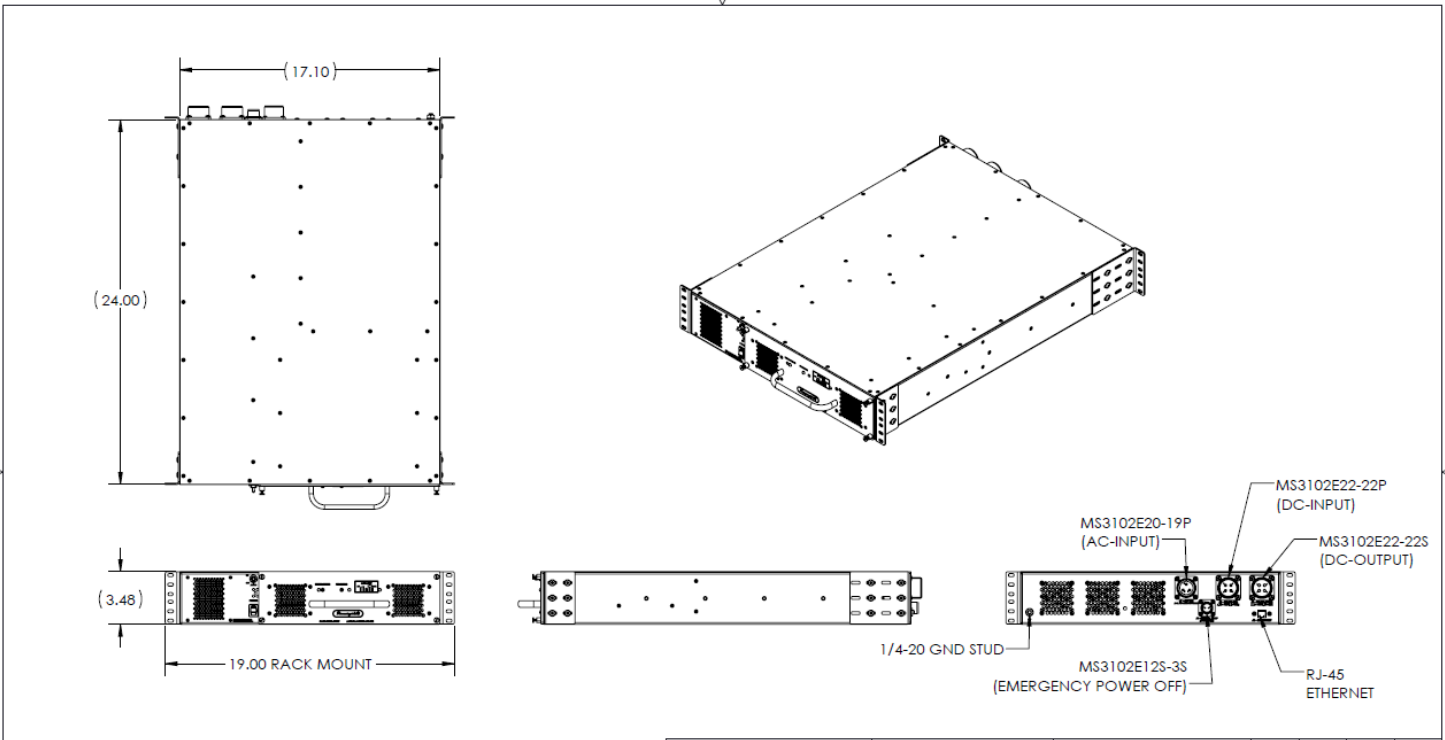
Signal Monitoring	SNMPv3	
	Status: AC Input Present, DC Output Present, Battery Charged, Battery Charging, Battery Discharging, Temp Status	
Protection		
Over Load	Yes	
Output Short Circuit	Yes	
Over Temperature	Yes	
AC & DC Input Protection	Yes	
Isolation		
AC Input to DC Output	Yes	
DC Input to DC Output	Yes	
Environmental		
Operating Temperature Range	-20 to +50* (No backup output if internal batteries are at or below freezing (0°C/32°F))	°C
Storage Temperature Range	-40 to +65*	°C
Working Humidity	95 non-condensing*	%
Altitude	10,000 (Operating) / 40,000 (Non-Operating)*	feet
Vibration	MIL-STD-810G*	
Functional Shock	MIL-STD-810G*	
	* Designed to meet, lab testing required at additional cost.	
EMI		
Radiated	MIL-STD-461F (RE102, RS101, RS103)*	
Conducted	MIL-STD-461F (CE102, CS101, CS106, CS114, CS116)*	
	* Designed to meet, lab testing required at additional cost.	
Battery		
Technology	Lithium Iron Phosphate	
	20	Ah
	25.6	Vdc
Physical Properties		
Dimensions	3.5 (H) x 17.1 (W) x 23.0 (D)	inch
Mounting	2U, 19 inch rack (adjustable mounting depth)	
Weight	54 (max)	Pounds
Color/Finish	Gray Textured Finish	



PG3000-UPS-DC28
Front View



PG3000-UPS-DC28
Rear View



UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLE +/- 0°30' 2 PL +/- .03 3 PL +/- .010 INTERPRET DIM AND TOL PER ASME Y14.5M	CONTRACT NO.	THE FOLLOWING BOOTS HAVE BEEN ATTACHED TO THIS PRINT	
	DRAWN BY	DATE	
	CHECKED		
	ENGINEER		
	DRAWING APPROVAL		
	DESIGN APPROVAL		
	CONFIGURATION MANAGER		
	OTHER APPROVALS		
THIRD ANGLE PROJECTION	DESCRIPTION PG3000-UPS-DC28		
PROPRIETARY AND CONFIDENTIAL	SIZE	CAGE CODE	DWG NO.
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NEXT ASSY	USED ON	SCALE	REV
APPLICATION		1:6	-
		SHEET	1 of 1

**PG3000-UPS-DC28
 Mechanical Drawing**