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Originator: Nigel Pearson

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Data Sheet

PG750-UPS-HR-DC48-DCIN



This rendering is representative of the final unit

Document Number: 120514JL

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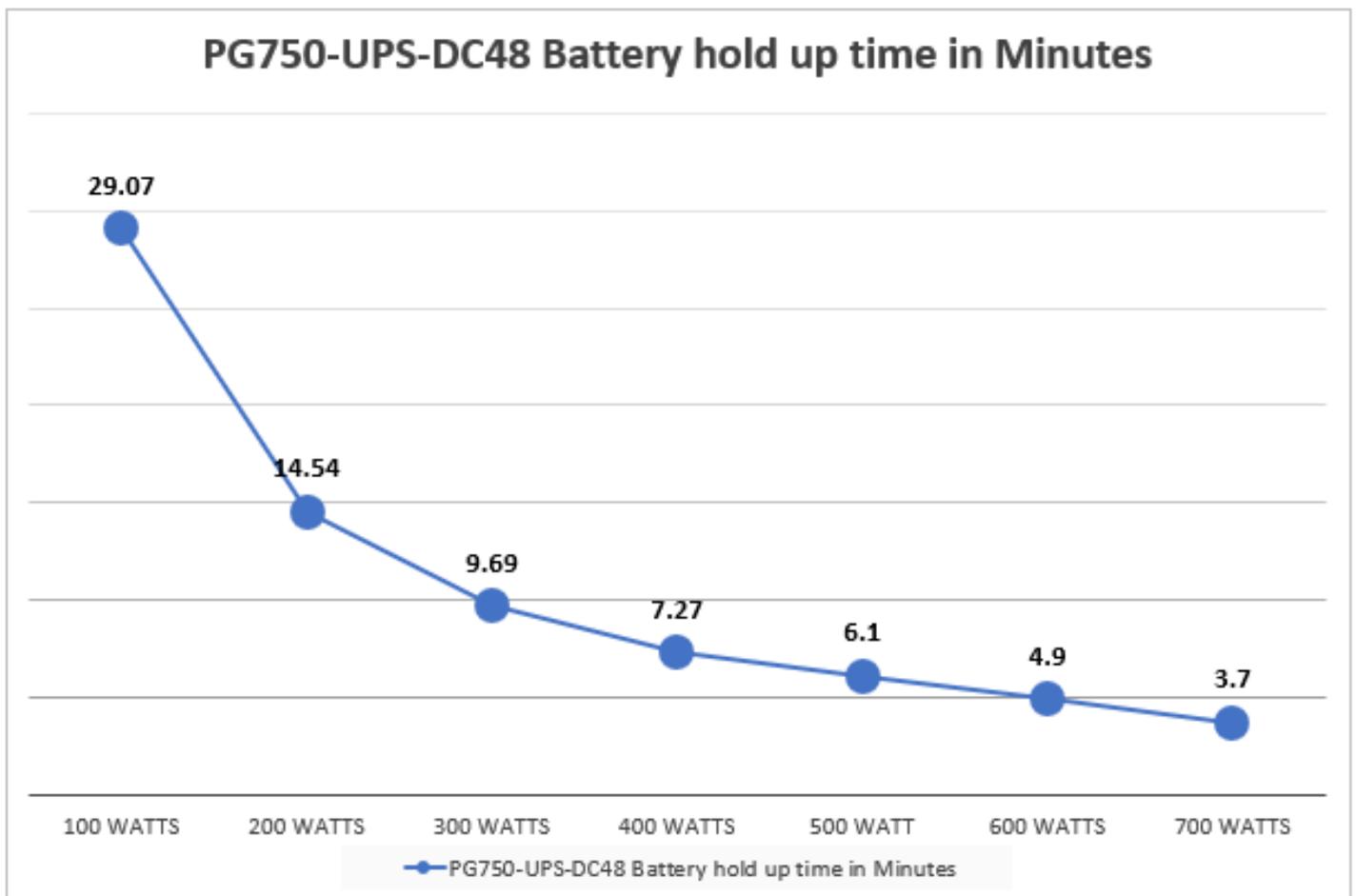
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SPECIFICATION	VALUE	UNITS
DC Output		
Rated Voltage	-48 +/-2%	Vdc
Rated Max. Current	16	Adc
Max. Rated Power	750	Watts
Run Time on Battery	3-4 @ 25°C, 80% Load (zero output below 0C) Curve Below	Minutes
Transfer Time to Battery	Instant, On-Line conversion, Regulated Output	
AC Input		
Voltage Range (Universal)	85-264	Volts AC
Frequency Range	47 - 63	Hertz
Nominal Current	7 @ 120Vac	Amps AC
Inrush Current (typical)	40	Amps AC
Efficiency (typical)	≥86	%
Power Factor (typical)	>0.95	
Leakage Current	<3 @ 120Vac	mAmps AC
Conversion	Double, On-Line	
DC Input		
MIL-STD-1275 Compliant for Vehicle DC Input Protection		
Voltage Range	21 - 32	Vdc
Current	38 (nominal)	Adc
Isolation		
AC Input to DC Output	Yes	
Internal Battery Module		
Rating	28	Vdc
Capacity	2.50	Ah
Type	Lithium Iron Phosphate	
Recharge Time	3 - 4 Hours to 95% after full discharge	
Protection		
Overload	Yes – restart required	
Output Short Circuit	Yes – restart required	
Over Temperature	Yes – restart required	
AC Input Protection	Yes – restart required	

SPECIFICATION	VALUE	UNITS
SNMP v3	AC Input present, Battery Status (charging, discharging, charged), DC Output Active, Over Temperature	
Front Panel Indicators		
Battery Status	Green=Charged, Yellow=Charging, Red=Discharging	
Power LED	Green=UPS output enabled	
Front Panel Control		
On/Off Switch	When On, enables UPS output, when in off position, no DC output is present	
Battery Disconnect	Disconnects internal battery from circuit, prevents discharge during storage, OUT=Battery Disconnected, IN=Battery In Service	
Audible Alarm	Toggle switch, up enables audible alarm, down disables	
Connectors		
AC Input	1 x IEC C14	J1
DC Input	MS3102E20-23P	J4
DC Output	2 x Phoenix p/n 1861154 (separate cable to Dell server connector RN5T2)	J2-J3
Ethernet Port	Standard RJ-45	J5
Safety Ground	¼ -20 Stud (Rear Panel)	
Environmental		
Operating Temperature Range	-20 to +55**	°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* (Rear 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*	
Other Specifications		
Startup Time	<30	Seconds
Cooling	Rear to front airflow from dual internal fans.	
MIL-STD 461F	Compliant with CE102, CS114/115/116, CS101 & RS103 *	
MTBF	>102,000 (Calculated per MIL-HDBK-217) *	Hours
	* Designed to meet, requires lab testing at additional expense **De-rated to 620W above +40C	

SPECIFICATION	VALUE	UNITS
Physical Properties		
Dimensions	1.74H x 10.44W x 17.5D	inch
Mounting	1U Height, 17.50 Inch Depth, Half Rack	
Mounting Hardware	Brackets	
Weight	<= 12	lbs.
Material	Aluminum	
Color/Finish	Black #F63-B70 / Light Texture	



PG750-UPS-HR-DC48-DCIN (Battery Runtime Calculated)



PG750-UPS-HR-DC48-DCIN (Front View)



PG750-UPS-HR-DC48-DCIN (Rear View)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

<p>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</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>CONTRACT NO.</td><td>---</td></tr> <tr><td>DRAWN BY</td><td>---</td></tr> <tr><td>CHECKED</td><td>---</td></tr> <tr><td>ENGINEER</td><td>---</td></tr> <tr><td>DESIGNING APPROVAL</td><td>---</td></tr> <tr><td>DESIGN APPROVAL</td><td>---</td></tr> <tr><td>CONFIGURATION MANAGER</td><td>---</td></tr> <tr><td>CONTR. APPROVAL</td><td>---</td></tr> </table>	CONTRACT NO.	---	DRAWN BY	---	CHECKED	---	ENGINEER	---	DESIGNING APPROVAL	---	DESIGN APPROVAL	---	CONFIGURATION MANAGER	---	CONTR. APPROVAL	---	<p>THE FOLLOWING ECO'S HAVE BEEN ATTACHED TO THIS PRINT</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> </tr> </table> <p>AJ's Power Source, Inc. ...power engineering the future</p> <p>DESCRIPTION PG750-UPS-HR-DC48-DCIN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SIZE</td> <td>CASE CODE</td> <td>DWG NO.</td> <td>REV</td> </tr> <tr> <td>B</td> <td>0P327</td> <td>PG750-UPS-HR-DC48-DCIN</td> <td>-</td> </tr> </table> <p>SCALE: 1:4</p>									SIZE	CASE CODE	DWG NO.	REV	B	0P327	PG750-UPS-HR-DC48-DCIN	-
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PG750-UPS-HR-DC48-DCIN Mechanical Drawing