

DEFINING RUGGED

EXCEPTIONAL ENGINEERING | ROCK SOLID | EXTENSIVE TESTING

POWER DISTRIBUTION UNITS: MOBILE MOUNTS VEHICLE POWER DISTRIBUTION UNIT (VPDU) WITH DUAL USB OUTPUT

Description	Continuous Power Circuits	USB Ports	Weight	Height	Width	Depth
Standard VPDU (MM-VPDU-1014)	1	Yes	1.05 lbs	2.25"	4.25"	6.5"

Features:

- Delivers true continuous power to two USB-powered devices simultaneously
- Dip switch setable time delay from 15 seconds - 8 hours (constant 'on' is also available)
- Low voltage cutoff at 10.5 Volts
- High voltage cutoff at 18.0 Volts
- Loads up to 50 AMPS total
- LED display indicates the time delay and status
- Automatic activation by seeking battery voltage
- Optional activation by wiring to ignition sense point
- Four circuits controlled by timer
- Over-ride switch for 15 minutes of on-demand operation
- LED lights show operative state of fuse positions
- Reverse polarity protected
- 3 year limited warranty by MOBILE MOUNTS

Specifications on back

Item No. 7300-0040

Manufactured by:



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Specifications	
Sensing modes	Voltage rise and hard-wired ignition sense, hard-wired mode will over-ride 'automatic' voltage rise mode if present
Battery voltage rise (turn-on) trigger	>13.1 Volts
Battery voltage to trigger timer sequence	<12.7 Volts
Ignition 'on' threshold, if used	>5.0 Volts
Ignition 'off' threshold, if used	<2.5 Volts
High battery voltage disconnect	>18 Volts
Low battery voltage disconnect	<10.5 Volts
Low battery voltage disconnect delay to allow for cold cranking	30 seconds
Low battery voltage for timer to still operate	5-6 Volts. Be able to ride a voltage drop below 5 Volts for about 15 Milliseconds
Input voltage range	9-18 Volts
Maximum output current	50 AMPS total
Current draw in OFF mode	18 Milliamps
Current draw in ON/TIMING mode	190 Milliamps typical
Time delay range (dip switch adjustable)	15 seconds - 15 minutes - 1 hour - 2 hours - 3 hours - 4 hours - 8 hours - constant
OVER-RIDE SWITCH mode	15 minutes. OVER-RIDE SWITCH will not function if the high battery voltage is detected to be >18 Volts
Special switch functions	Depressing OVER-RIDE SWITCH for >4 seconds will shut timer OFF. If the engine is running or the ignition sense voltage is present, the timer will resume operation once switch is released
Operational display - Numeric LED	Will display the timer interval in green. Once time starts the countdown sequence, the LED will blink on and off.
Operational LED indicator lights	Lit when circuits 1-4 are active ~ Lit when 'constant' is active ~ Lit when DC voltage is present
Operating temperature	0-70° C, derate above 50° C to 50% at 70° C
Reverse polarity protection	Included
USB Specifications	
Output voltage	5 Volts per USB port
Load current	3 AMPS total (both ports combined)
Thermal shutdown	Yes
Operating temperature	-20° C to 50° C
Storage temperature	-40° C to 85° C