



# POWER OPTIMIZER FOR THE WARFIGHTER'S ENERGY REQUIREMENTS

Created by USA CE-LCMC, Power Sources Team, Ft. Monmouth, NJ

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[Click for User's Guide](#)

**White Areas require user input**

### 1) Select an End Item

Choose Item by:

NOUN ▼

#### Item List

- AN/PRC-138
- AN/PRC-148(V)(C)**
- AN/PRC-150(C)
- AN/PRC-25
- AN/PRC-343
- AN/PRC-68

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 Please Reference: POWER 1.2, Released 4/18/07

The selected item is the AN/PRC-148(V)(C), Multiband Radio, MBITR, NSN: TBD

### 2) Select the temperature conditions in which the end item will be used

Normal Temperature (32F to 130F) ▼

Battery option(s)	Qty	Run Time	Units	Note:	Total Batt. Weight	Units
BA5590	1	2	days	Use Adapter J-6686/U	2.3	lbs
BA8140	1	3	days	Use Adapter J-6686/U	3.0	lbs
BB MBITR Batt	1	8	hrs		1.0	lbs
BA5390	1	3	days	Use Adapter J-6686/U	3.0	lbs
BB2590	1	2	days	Use Adapter J-6686/U	3.2	lbs
BB390	1	1	days	Use Adapter J-6686/U	3.9	lbs
BA8180	1	10	days	Use Adapter J-6686/U	6.0	lbs

*\*Note: Batteries listed here may listed in the TM of some older dev which batteries have become ob replacements, please see the 'Replaced'*

### 3) Given the above options, which battery do you wish to use

BB MBITR Ba ▼

Battery	NSN	# per Package	Description	Specific Information
1600515-7	6140-01-487-1153	1	Battery, Rechargeable, Lithium Ion	

4) Choose which version you wish to use

5) The BB MBITR Batt is estimated to last 8 hrs in the AN/PRC-148(V)(C), Multiband Radio, MBITR at Normal Temperature (32F to 130F)

The battery will be swapped out after...  hrs of use

You must enter how often the battery will be changed

6) Input the number of AN/PRC-148(V)(C) to be powered  devices

7) Input the number of hours per day the end item will be in operation  hrs

Steps 8 and 9 are for rechargeable batteries only.

For more information on rechargeable batteries and chargers see the tab labeled 'Rechargeable Info'

8) How frequently will the warfighter be resupplied with charged batteries? Every.....

Enter a value in step 5

9)

Battery	Battery NSN	Batt. per package	# of devices	Device
1600515-7	6140-01-487-1153	1	1	AN/PRC-148(V)(C)

Minimum Requirements			
	# of Batteries	# Pkgs to order	Total Weight (lbs)
1 day mission	Step 5 = value?		
3 day mission	Step 5 = value?		
30 day mission	Step 5 = value?		



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