



LIGHT WEIGHT DIESEL POWER

2kW Military Tactical Generators

The lightest weight man-portable diesel powered AC and DC generator sets in the US military inventory. Project Manager – Mobile Electric Power (PM-MEP) supplied or available directly from Dewey Electronics Corporation. The MEP-501A (DC generator set) and the MEP-531A (AC generator set) provide the user with high reliability, low maintenance, man-portable military generators capable of running on heavy fuels (diesel No. 1, No. 2 or JP-8).

MEP-501A, 28V DC Generators Set

Weight: 140 lbs w/ 4hours of fuel
Power: 28V < 5% ripple
Size: 29.5”L x 16.0”W x 21.7”H
Operating Temperature: -25F to 120+F



NSN 6115-01-435-1567

US Army
USMC
US Air Force
SOCOM

MEP-531A, 120V, 60Hz Generator Set

Weight: 152 lbs w/ 4hours of fuel
Power: 120V, 60Hz < 12% Deviation Factor
Size: 29.5”L x 16.0”W x 21.7”H
Operating Temperature: -25F to 120+F



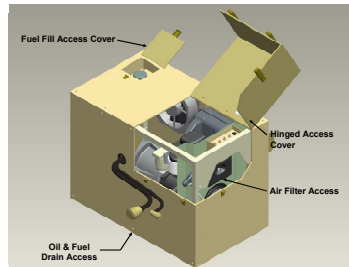
NSN 6115-01-435-1565

3.0kW Custom Enclosed Generator for Auxiliary Power Unit (APU)

Full military rated 3.0kW 28V DC power supply with remote start/stop capabilities mounted in a custom designed, noise dampening enclosure. This APU is available directly from The Dewey Electronics Corporation. Our engineering staff will work with you to customize the enclosure to your exact needs. This ruggedized unit is based on our military 2kW unit with most additional features fully supported by the logistics system.

3.0 kW Custom Enclosed APU

Weight: 300 lbs
Power: 28V +/- 0.75V
Enclosure: 32”L x 18.75”W x 24”H
Fuel: DL2, DF2, JP-8
Cooling: Forced Air
Pump/Compressor capable



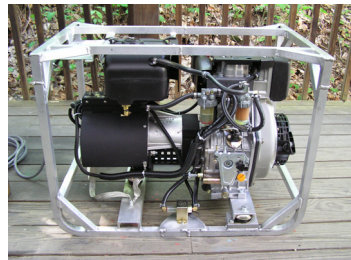
USMC M1A1
Bustle Mount

3.5kW/4.5kW Open Frame Generator/Battery Charger Auxiliary Power Unit (BAPU)

This open frame generator set provides a full 3.5kW or 4.5kW military rated 28VDC power supply suitable for APU use and battery charging under extreme temperatures. The unit has redundant local and remote controls, a self bleeding fuel system for vehicle or remote fuel tank interconnections, based on our 2kW military heritage, this unit provides a simple power source that is lightweight yet highly reliable and easy to maintain.

3.5/4.5kW Remote Operated Generator/APU

Weight: 250 lbs
Power: 28V +/- 0.5V (adjustable)
Size: 33”L x 21”W x 26”H
Fuel: DL2, DF2, JP-8
Operating Temperature: -25F to 130+F





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Generator Comparison Sheet

MODEL	MEP-501A	CUSTOM	BAPU	MEP-531A
Output Power	2kW	3.0kW	3.5kW/4.5kW	2kW
Output Voltage	28V DC +/- 0.75V	28V DC +/- 0.75V	28V DC +/- 0.50V	120V, 60Hz
Weight	140lbs w/fuel	350lbs w/enclosure	220 lbs/ 230 lbs	152lbs w/fuel
Dimensions (L x W x H)	29.5" x 16.0" x 21.7"	32" x 18.75" x 24"	33" x 21" x 26"	29.5" x 16.0" x 21.7"
Engine	Yanmar L-48A	Yanmar L-70V	Yanmar L-100V	Yanmar L-48A
EAP Compliance	Waiver	Tier II	Tier II	Waiver
Engine Speed	3600 rpms	3600 rpms	3000 rpms/3600 rpms	3600 rpms
Fuel	JP-8, DL-1, DL-2	JP-8, DL-1, DL-2	JP-8, DL-1, DL-2	JP-8, DL-1, DL-2
Fuel Tank Size	1.2 gal/ 4 hours	3.2 gal/ 8 hours	quick disconnect w/ hose	1.2 gal/ 4 hours
Operating Temperature	120 F to -25F	140F to -25F	130F to -20F	120 F to -25F
Generator Control Unit (GCU)	Yes	Yes	no	Yes
Local Controls	Yes	Yes	no	Yes
Manual Starter	Pull Recoil	Pull Recoil	Pull Recoil	Pull Recoil
Electric Starter	With NATO Slave	With NATO Slave	With NATO Slave	With NATO Slave
Remote Controls	no	Interface Connector	Controller Box	no
Engine Cooling	Air	Air	Air	Air
Mounting	Open Frame	Custom Enclosed	Open Frame	Open Frame
Noise dBA @ 7 meters	78 (72 with soft enclosure)	65 @ 20 meters	78	78 (72 with soft enclosure)
Oil System	Internal	Extended System	Internal	Internal
Low Oil Pressure Sensor	Yes	Yes	Yes	Yes
Fuel System	Gravity Feed	Electric/Self Bleeding	Electric/Self Bleeding	Gravity Feed
Fuel/Water Separator	Manual	Electric	Electric	Manual
NSN	6115-01-435-1567	TBA	Commercially Available	6115-01-435-1565
Standard Delivery	180 days	220 days	200 days	180 days
Accelerated Delivery	45 days or less	N/A	150 days	45 days or less
Emergency Delivery	5 days	N/A	Available	5 days
Accessories Available				
Soft Sound Cover	Yes	No	No	Yes
Electronic Refueler	Yes	No	No	Yes
Remote Control Panel	Yes	No	Standard Equipment	Yes
Secondary Air Filter (extreme dust kit)	No	No	Yes	No

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