



2.0 kW 28V DC Portable Diesel Generator P/N: 95-501



28V DC 2.0 kW



NSN: 6115-01-435-1567

The Dewey Model - 501A (PM-MEP Model 95-501A) is a portable, highly reliable, lightweight unit that provides 2000 Watts of 28V DC power and has established itself as the mainstay of portable power for military applications worldwide. Its open frame configuration allows it to be easily picked up, stacked, or transported by any military vehicle. This configuration contributes to the ease of service and maintenance.

Equipped with a manual recoil starter and the ability to be electrically started from the NATO Slave connector, these units are used throughout the military where pure military power is a requirement or when portability is a necessity. Now these units are available directly from Dewey Electronics.

Dewey Electronics has manufactured and fielded over 19,000 of our 2kW Military Tactical Generators for the Department of Defense PM-Mobile Electric Power (PM-MEP) as well as numerous other government and military customers.

The 28V DC Military Tactical Generator is available in Forest Green or Desert Tan color. The Technical Manual shipped in the overpack is also available on the Dewey Electronics web site, URL: www.deweyelectronics.com.

The NSN is fully supported within the US DoD Logistic System. Spare and repair parts are available from Dewey Electronics by contacting us by phone at 800-526-5174 within the USA, worldwide at 201-337-4700, or by e-mail at dewey@deweyelectronics.com with "Spare and Repair Parts" in your subject line.

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GSA Contract #GS07F214BA



2.0 kW 28V DC Portable Diesel Generator

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IDENTIFICATION DATA			
Description	2kW MTG Set, 28V DC, DED, Tubular Frame		
Model	MEP-501A		
NSN	6115-01-435-1567		
PHYSICAL CHARACTERISTICS			
Dimensions LWH (in)	30 x 16 x 22		
Wet Weight (lb)	138		
Engine	Yanmar L48AE-DEG Diesel, 1 cylinder / 4 stroke, 4.2 horsepower @ 3600 RPM, air-cooled, 24V DC start from NATO slave receptacle, recoil pull starter		
Instrumentation	Voltmeter, load meter, hour meter		
Fuels	Diesel DL-1, DL-2, and JP-8		
Fuel Capacity	Fuel tank: 1.6 gal		
PERFORMANCE CHARACTERISTICS			
Power Rating	2kW, 1.0 pf @ 4000 ft / 95°F. 110% max power; De-rate: 1.3% / 328 ft from 4000 to 8000 ft		
Environmental Capability	-40°F to 120°F, rain, humidity, altitude, sand / dust, rail transport, -65°F cold storage, salt spray, fungus, 15° incline		
Protective Devices	Trip circuit breaker for overload / short circuit; automatic shutdown for low oil pressure		
Fuel Consumption	0.33 gph @ rated load		
Human Factors	MIL-STD-1474; 4-soldier portable; operable in chemical / arctic clothing		
Noise	79 dBA @ 7 meters (23 ft)		
Reliability (MTBF)	490 hr		
Maintenance Ratio	0.008 – direct support		
ELECTRICAL CHARACTERISTICS			
Voltage Connection	28V DC, 2-wire		
Voltage Adj. Range	26.6 – 32.0 V		
Frequency Adj. Range	N/A		
Electrical	Drip proof generator enclosure, fungus & moisture treated, solid state voltage regulator, brush type 2-pole alternator, solderless connectors, Balmar alternator		
ELECTRICAL PERFORMANCE			
Electric Power Quality	Voltage		
Regulation	≤ 4%		
Short Term Steady State Stability (30 sec)	≤ 2% bandwidth		
Long Term Steady State Stability (4 hr)	≤ 2% bandwidth		
Application of Rated Load (transient), Recovery Time	≤ 30% dip ≤ 1 sec		
Rejection of Rated Load (transient), Recovery Time	≤ 40% rise ≤ 0.5 sec		
DC Ripple	≤ 7%		
EMI	Meets MIL-STD-461C with the exception of CE03		
EMP	Not protected		
OPTIONAL EQUIPMENT			
Auxiliary Fuel System	See TM 9-6115-673-13&P		
TECHNICAL MANUALS			
Description	Army	Air Force	Marine Corps
Operator, Unit, DS/GS, Parts	TM 9-6115-673-13&P	TO 35C2-3-512-1	None