

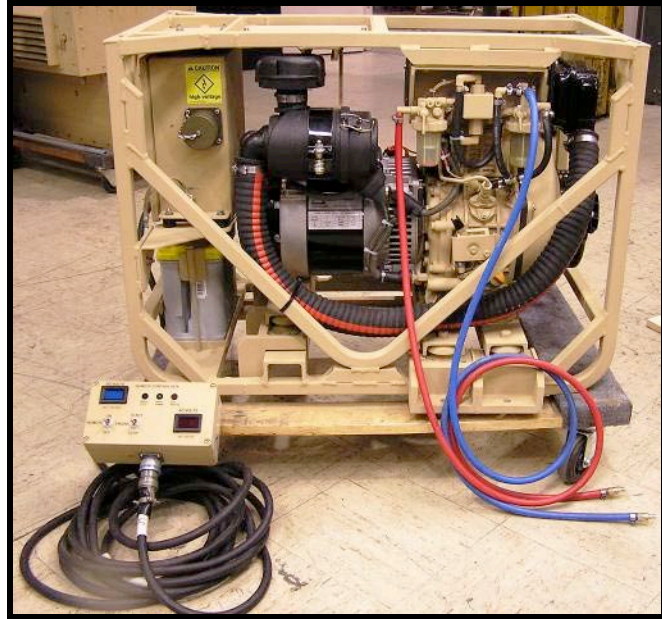


# 240V 60Hz AC Auxiliary Power Unit 5kW

P/N: 100296-501



**240V 60Hz 5kW**



**Remote/Local Controls**

Designed and manufactured by Dewey Electronics Corporation, this Auxiliary Power Unit (APU) functions as a 5000W, 240V AC power source. This unit operates as an independent AC power source and is based on our successful 2kW Military Tactical Generator design. Its open frame configuration allows it to be easily mounted or transported by any military vehicle. This configuration contributes to the ease of service and maintenance.

Equipped with starting batteries and electric starter the APU can be controlled locally via the front panel or remotely with the remote control panel that is attached via a 30 ft. cable. These units are used where pure 240V AC power is a requirement and the output is scalable from 3kW to 5kW.

## APU Configuration

This open framed generator is also equipped with rugged mounting feet that make it ideally suited for installation on a trailer or vehicle as an auxiliary power supply (APU). The enhanced air filter system consists of a Donaldson medium duty filter assuring operation in a dusty and sandy environment. The electric fuel pump has 72 inches of lift and can be connected to any fuel tank or fuel source with color coded fuel intake and return lines that have quick disconnect connections for ease of installation.

## Control Panel

The indicators and controls on the Control Panel assembly include:

- Elapsed Time Meter - Measures operating time in hours when the APU is operational
- Digital AC Voltmeter – Indicates output voltage of the generator set
- Digital Frequency Meter – Indicates generator set output frequency. Normal reading is 60Hz.
- Digital Load Meter – Indicates the generator set load current in Amps.
- Digital DC Voltmeter – Indicates the starting battery voltage
- Fuses – Protect various components in the control panel
- Class L Connector for 240V AC output
- Status Indicators (LEDs):
  - (Red) Low Oil Pressure/ Auxiliary Input (flashing)
  - (Red) High Oil Temperature
  - (Red) Battery Overcharge
  - (Red) Over Speed/ No Speed Signal (flashing)
  - (Green) Engine Running/Engine Reset (flashing)
  - (Amber) Timer

The Dewey Electronics Corporation

[www.deweyelectronics.com](http://www.deweyelectronics.com)

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<b>ELECTRICAL RATINGS</b>	
Output Voltage	240V AC (+/-5.0V) @ 60Hz
Output Power	5000W @ 70° F Continuous
Surge Power	6500W
Quality Power	<12% Deviation Factor
<b>SIZE and WEIGHT</b>	
Length	35"
Width	21"
Height	25.5"
Weight	281 lbs. Dry
<b>OPERATING ENVIRONMENT</b>	
Temperature Range	-25°F to 125°F
Incline Angle	15° Max.
<b>ENGINE</b>	
Manufacturer	Yanmar
Model	L 100
Engine Type	Air-cooled, 4 Cycle, Vertical Cylinder
Fuel:	Diesel
Number of Cylinders	1
Starting System	12V Electric
Decompression System	Manual Type with Auto-return Lever
12 Volt Battery Required	Included
Charging System	Not Included
Electric Stop Device	Fuel Stop Solenoid
Exhaust System	Expansion Silencer with Cover
Air Cleaner	Donaldson Medium Duty Air Filter
<b>FUEL SYSTEM</b>	
Type of Fuel	DL-1, DL-2, or JP-8
Fuel Consumption Rate	4.64gals./8 hrs. @ 100% Load
Fuel Pump	24 Volt Electric
Max. Distance for Fuel Lines (Fuel Source to Fuel Pump)	72 inches
<b>ALTERNATOR</b>	
Type	Single Phase Brushless
Load Capacity	6.0 kW
Voltage Output	240 VAC
Cooling	Forced air
Lubrication Requirements	None
Drive Type	Direct coupling
Duty Classification	Continuous

The 5kW APU is available in Forest Green or Desert Tan color. The Technical Manual is shipped in the overpack. 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](mailto:dewey@deweyelectronics.com) with "Spare and Repair Parts" in your subject line.

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