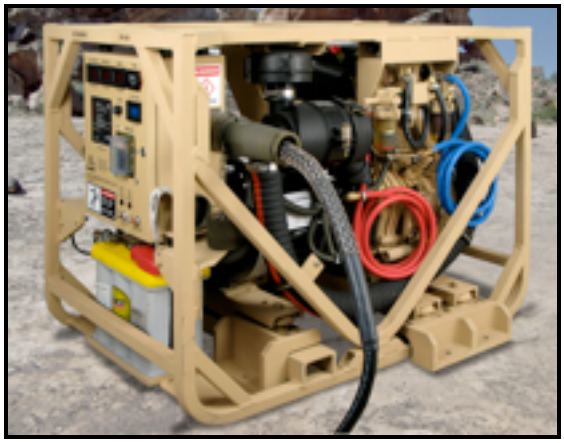
240V AC APU/Generator
P/N:100296-501

Features:

- Low Oil Shutdown
- Optional Remote Control Box
- Control Box with:
  - Hour Meter
  - DC & AC Volts Displays
  - Frequency Display
  - Amp Display
- 1 – Class L Receptacle
- AC GFCI Breaker



This Auxiliary Power Unit (APU) is a 3500W, 240V AC power generator manufactured by Dewey Electronics Corporation that has been designed to operate as a stand alone power system. It provides 240V AC, single phase power from a local control panel or an optional remote control box.

240V AC APU Generator Specification

ELECTRICAL RATINGS	
Output Voltage	240V AC (60 Hz)
Output power	3500W @ 95° F Sea Level to 4000 ft.
Surge Power	6500W
SIZE AND WEIGHT	
Length	35”
Width	21”
Height	25.5”
Weight	281 lbs, Dry
OPERATING ENVIRONMENT	
Temperature Range nominal	-25 to 125° F
Temperature Derating	3%/18° F above 95° F
Altitude	Sea Level to 8000 ft.
Altitude Derating	3.5%/1000ft. above 4000 ft.
Incline Angle	15° Max.
POWER CHARACTERISTICS	
Phase	Single
Power Factor	1
Voltage Connection	240V AC, 3 wire
Connector	Class L
ALTERNATOR	
Type	Single Phase Brushless
Load Capacity	6.0 kW
Voltage Output	240 V AC

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ENGINE	
Manufacturer	Yanmar
Model	L 100V
Engine Type	Air-cooled, 4 Cycle, Vertical Cylinder
Fuel	Diesel
Number of Cylinders	1
Starting System	12 Volt Electric
Decompression System	Manual Type with Auto-return Lever
12 Volt Battery Required	Yes (included)
Charging System	12 Volt Electric
Electric Stop Device	Fuel Stop Solenoid
FUEL SYSTEM	
Type of Fuel	DL-2, JP-5, or JP-8
Fuel Consumption Rate	0.58 gal/ hr. @ 100% Load
Fuel Pump	24 Volt Electric
Max. Distance for Fuel Lines (Fuel Source to Fuel Pump)	72 inches
PROTECTIVE DEVICES	
Circuit Breaker	Overload/Short Circuit trip/engine shutdown
Low Oil Pressures	Less than 15 psi/engine shutdown
INSTRUMENTATION	
AC Voltage	225 to 255 V AC LED Display
Frequency	57-63 Hz LED Display
Amperes	0-20 A LED Display
DC Voltage	10-15V DC LED Display
Hour Meter	Electro-mechanical
INDICATORS	
Local Control (Local Control Box and Remote Panel)	Amber LED
Remote Control (Local Control Box and Remote Panel)	Blue LED
Engine Running (Local Control Box and Remote Panel) Engine Reset (Local Control Box only)	Green LED Green LED (Flashing)
Fault - Low Oil Pressure/ Auxiliary Input (flashing)	Red LED
Fault – High Temperature	Red LED
Fault –Overspeed/ No Speed Input (flashing)	Red LED
Fault – Over Crank	Red LED
Timer	Amber LED

The optional remote control panel is available with a 25 foot cable that connects to the local control box.

Spare and repair parts are available from Dewey Electronics by contacting us by phone at 800-526-5174 within the USA or 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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