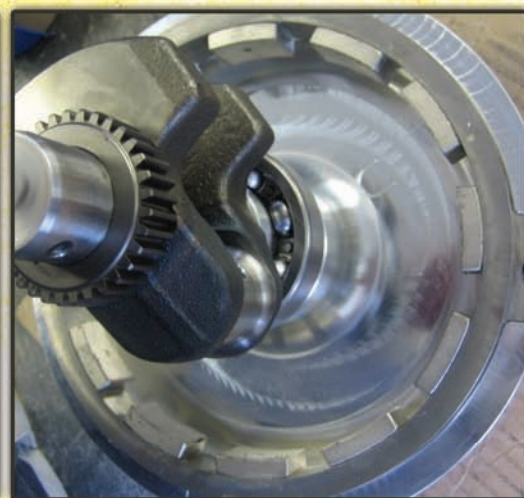


# WORLD'S LIGHTEST 2-kW ELECTRIC GENERATOR

[ JP-8, JP-5, Diesel ]



Mainstream's multi-fuel (JP-8, JP-5, DL-1, DL-2) generator is the smallest, lightest, and most reliable 2-kW generator available for military applications. Originally developed for the U.S. Marine Corps' Team Portable Collection System to be compact and lightweight, all of Mainstream's generators now include Integrated Starter/Alternator (ISA) technology for superior power conditioning, electronic starting, and battery charging. The unique ISA system allows Mainstream's generators to be used for both stand-alone power and hybrid electric systems, tying into any 24-VDC power bus; such as HMMWV, battery, solar, wind, etc.

## Specifications

Model	MFEG-020028	MFEG-020120
Electrical Continuous Power Rating Power Quality  Voltage Frequency	2 kW Mil-Std-1332B DC Utility 28 VDC (23-35 adj.) DC	2 kW Mil-Std-1332B AC Utility 2C 120 VAC single phase 60 Hz
Dry Weight	93 lbs	118 lbs
Dimensions Length Width Height	18 inches 18 inches 20 inches	
Fuel System Fuel Type Fuel Tank Capacity Fuel Consumption (DL-2) Fuel Consumption (JP-8) Fuel Tank Operating Time External supply pump optional	JP-8, JP-5, DL-1, DL-2 1.0 gal (3.8 L) 0.22 gal/hr @ 100% load 0.27 gal/hr @ 100% load 6 hr @ 75% load	
Lubrication System Oil Capacity Oil Filter Oil Type	0.16 gal (0.6 L) reusable strainer MIL-PRF-46167, 0W30 (-50°F to 0°F) MIL-PRF-2104, 15W40 (0°F to 135°F)	
Noise	79 dBA at 7m	
Starting System Manual Electric	recoil integrated starter/alternator	
Environment Operating Temperature Storage Temperature Altitude Incline angle	-50°F to 135°F -60°F to 160°F 10,000 ft 20° maximum	
Meters	Voltmeter, Load Meter, Hour Meter	
Safety	Circuit Load Protection Short Circuit Protection Reverse Polarity Protection Ground Terminal	

Key Performance Parameters	Standard DoD 2-kW MTG	Mainstream 2-kW Generator	Tactical Electric Power – Operational Requirements Document		Achieves Key (TEP-ORD) Performance Parameters of TEP-ORD?
	MEP-501A/ MEP-531A	MFEG-020028/ MFEG-020120	Threshold	Objective	
Power Quality	Mil-Std 1332B DC Utility/ AC Utility 2C	Mil-Std 1332B DC Utility/ AC Utility 2C	Mil-Std 1332B DC Utility/ AC Utility 2C	Mil-Std 1332B DC Utility/ AC Utility 2C	YES
Fuel Consumption (gph @ 100% load)	0.33	0.22	10% reduction	25% reduction	YES 33% reduction
Dry Weight (lbs)	124/143	93/118	10% reduction	25% reduction	YES 17-25% reduction
MTBEFF (hrs)	490/818	3000/3000	750 hrs	1250 hrs	YES 3-6x increase

MODEL NUMBERS MFEG-020028-FM

**POWER**  
020 2.0 kW

**VOLTAGE**  
028 28 VDC  
120 120 VAC 60 Hz

**PACKAGING**  
F - Framed  
U - Unframed

**STARTING**  
M - Manual Electric  
A - Auto Electric

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