

Oshkosh AeroTech Shipboard Mobile Electric Power Plant (SMEPP)

A self-propelled cart supplying 400Hz, 270VDC, and 28VDC electrical power for military aircraft



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AEROTECH

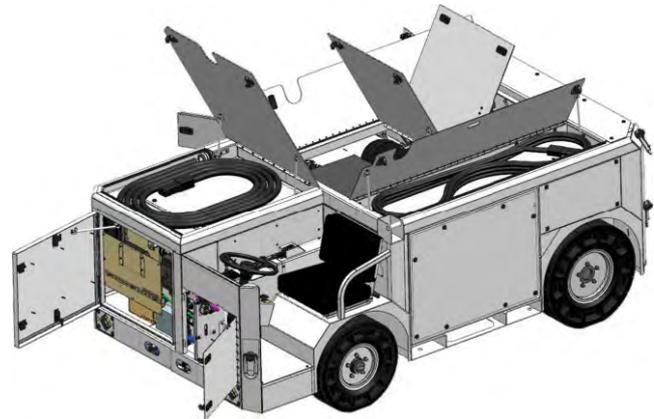
Defense

When support IS the mission

The Shipboard Mobile Electric Power Plant (SMEPP) provides electrical power for fighter, cargo and specialty military aircraft. Designed for the rugged environment of carrier-based operations, this self-propelled electrical power cart supplies 28VDC, 270VDC, and 400 Hz AC power for most types of military aircraft.



This driveable unit, with a 13 foot (4m) turn radius is ideal for operation in tight spaces and with electric drive is suitable for hangar applications. It comes with integral cable storage areas and semi-solid tires and is rated for land and shipboard use. SMEPP is air-transportable on C-130, C-17, C-5, and CH-53 aircraft.



Specifications

Aircraft Serviced	F-18, F-35 (LMCO approved), CH-Series, UCLASS, F-15, F-16, etc.
Length	122 in / 3.1 m
Width	64 in / 1.63 m
Height	46 in / 1.17 m
Weight (Dry)	7800 lbs / 3538 kg
Ground Clearance	7.5 in / 0.19 m
EME	MIL-STD-464
Electrical	MIL-STD-704F
Operating Temperatures	-20°F to 125°F / -29°C to 52°C
EMI	Compatible with USN shipboard use
400Hz Power	115VAC / 3 phase / 75kVA
	125% overload 5 min, 150% overload 5 seconds
	+/- 1% output voltage regulation
	<0.5% steady state voltage modulation
	+/- 1% frequency modulation
	<3% THD
270 VDC Power	270VDC, 72kW
	270VDC auxiliary power at 4kW
	125% overload 5 minutes, 150% overload 5 seconds
	F-35 approved (LMCO)
28 VDC Power	28VDC, 14 kW
	125% overload 5 minutes, 300% overload 1 minute



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