



## **MOBILE TACTICAL MICROGRIDS**

Mobile and airlift capable power systems for shelters and contingency basing

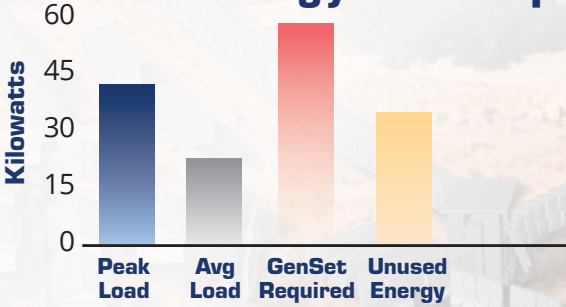


# **ZEROBASE™**

ENERGY TO THE EDGE



FOB Energy Consumption

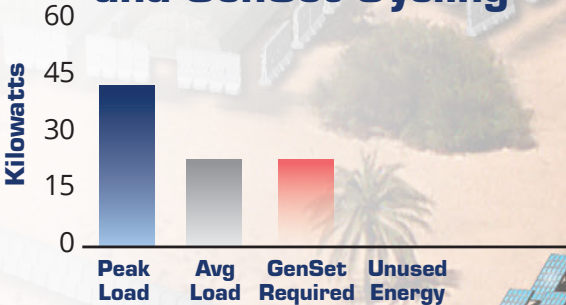


Reductions in Energy Consumption

FOB Energy Consumption (Min Load Factor: 61.7%)	With ZeroBase Energy Storage 66kW- 109kWh / Cycle Charge 100%-39% SOC 82.5kWh nominal / 26.5kWh reserve		With ZeroBase Energy Storage & Solar Power 66kW- 109kWh / Cycle Charge 100%-39% SOC 82.5kWh nominal / 26.5kWh reserve	
	SAVINGS		SAVINGS	
Annual Energy Consumption Liters (Gallons)	56,528 (14,876)	43,402 (11,422)	13,126 (3,454) 23%	39,385 (10,364) 17,143 (4,511) 30%
Average Daily Energy Consumption Liters (Gallons)	155 (41)	119 (31)	36 (10) 23%	108 (28) 47 (13) 30%
Annual Hours of Operation	8,760	6,323	2,437 28%	5,891 2,869 33%
Annual Number of Starts	1 (Operating Continuously)	701		701

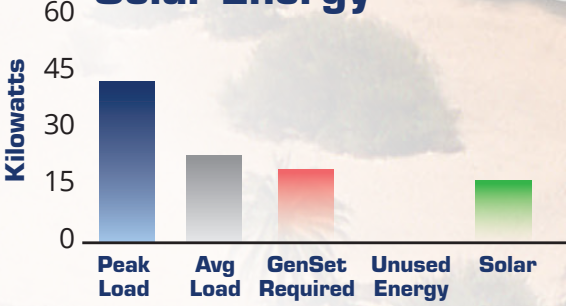


Addition of Energy Storage and GenSet Cycling



Energy Consumption Reduction of up to 30%  
Generator Run Time Reduction of up to 33%

Addition of Solar Energy



Operation Benefits

- Programmable silent periods
- Reduction in generator maintenance
- Reduction in logistics support (Less fuel re-supply convoys)
- Improved security posture
- Improved unit operational readiness
- Reliable, stable and clean power source



Flexible Transport Packaging

■ V22 Osprey ■ C130 ■ JLTV

# Why ZeroBase?

## Stability and Experience

Hybrid systems installed in five continents

Military applications ranging from 300 W to 100 kW

Commercial/humanitarian applications up to 1.2 mW

A technology leader in the growth and use of Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries

Continuously developing products with close supplier alliances that benefit performance and lower cost

## Differentiation and Focus

Focus on standardized portable hybrid power aimed at genset optimization

Introduced a portfolio of Forward Operating Renewable Generator (FORGE™) standard products from 300 W to 20 kW

Operational efficiency priorities include power surety, manpower utilization, fuel savings and silent watch



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