



ANA

We make your world easier.



FLEXBOOST™
125 kVA
HYBRID GENERATOR

Peak Efficiency | Handles Load Spikes | Instant Response

FLEXBOOST™ HYBRID GENERATOR BENEFITS



Light Loads



Variable Loads



Motor Starts



Inrush Spikes



Cycling Loads

JOURNEY TO ZERO®

Why FLEXBoost™ was Designed

FLEXBoost™ was designed to reduce fuel consumption, eliminate wet stacking, be as easy to use as a standard generator, with improved transient response, longer life, and lower total cost of equipment.

FLEXBOOST™ HYBRID GENERATOR

› Fully Integrated System

FLEXBoost™ is easy to use and easy to maintain. It works just like a standard generator. It just performs better with increased efficiency.

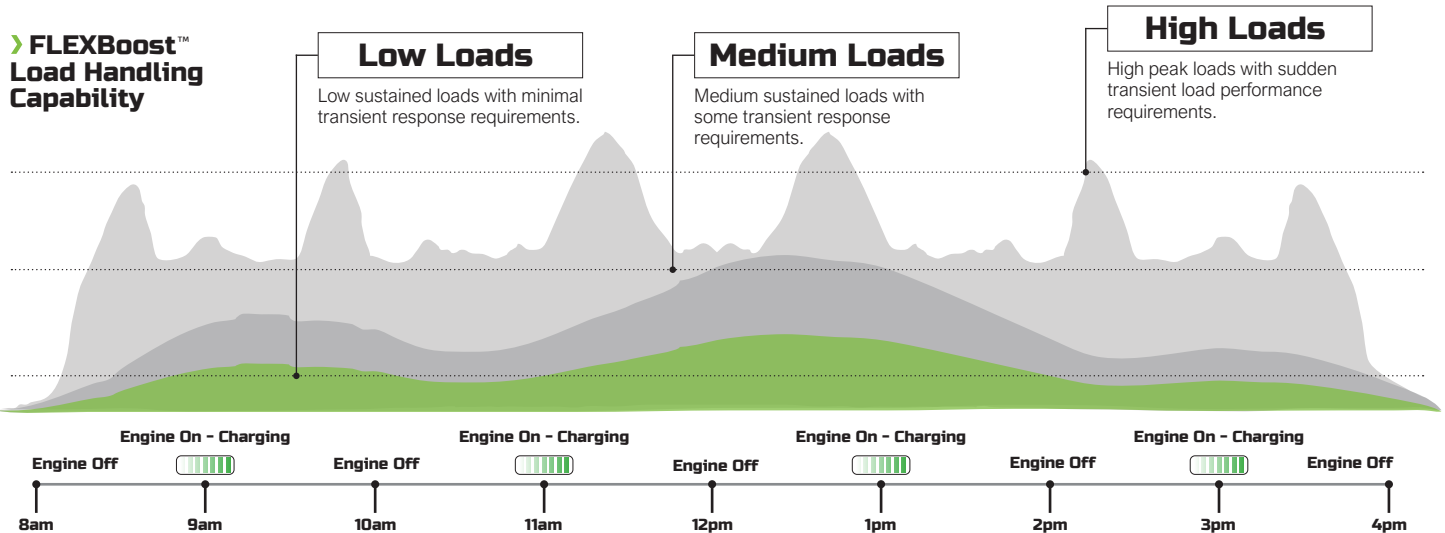
› Designed for Efficiency

FLEXBoost™ was designed for ultimate efficiency by eliminating wet stacking while providing up to 84% reduction in fuel consumption.

› Superior Transient Response

FLEXBoost™ drive system components were built for near instant transient response, providing a significant advantage over other hybrid systems.

FLEXBoost™ Job Site Performance



Typical 8 Hour Job Site Performance

(*battery performance dependent upon phase of operation and load demands)

During a typical day, the FLEXBoost™ can handle a variety of loads. From low load continuous applications to sudden spikes and peak loads. Power needs are rarely constant. They can vary depending on a variety of factors. FLEXBoost™ was designed for just this type of situation. All without complicated controls or difficult setup or operation, including running additional cables and having to use skid mounted battery systems. FLEXBoost™ works just like a standard generator, but better.

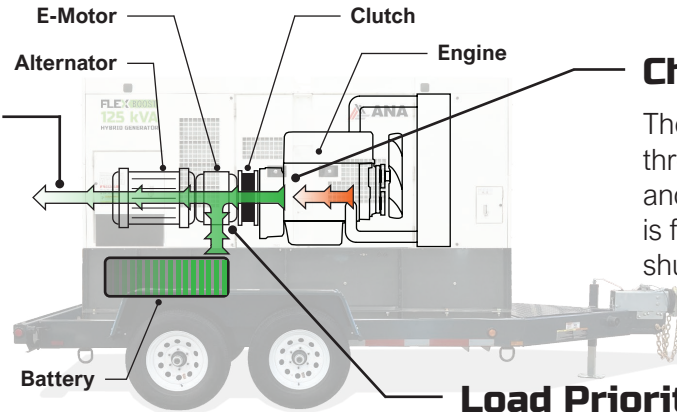
> How It Works

FLEX^{BOOST}
125 kVA
HYBRID GENERATOR

The battery charges the load until depleted at which point the engine turns on to charge the FLEXBoost™ battery. This cycles multiple times per day automatically, allowing the generator to run less frequently, reducing fuel consumption, run time, and emissions.

Powering the Load

The stored energy in the battery provides power to the load. Once the battery discharges to approx 15% capacity, the engine starts up again to charge the battery.



Charging the Battery

The engine charges the battery through the clutch drive system and E-motor. Once the battery is fully charged, the engine shuts off.

Load Priority

Above 60% load, power only comes from the generator (no battery charge or discharge), to prevent wet stacking of the diesel engine.

> Specifications

Generator Specifications			
Alternator Type	AIRMAN®	Prime Power	125 kVA / 100 kW
Armature Connection	Star with Neutral / Zig Zag	Standby Power	137.5 kVA / 110 kW
Number of Poles	4-Pole	Single Phase (120V) Amps	300A
Insulation	Class F	Single Phase (240V) Amps	300A
Excitation	Brushless with AVR	Three Phase (208V) Amps	328A
Voltage Regulator	+/- 0.5%	Three Phase (240V) Amps	300A
Frequency	60Hz	Three Phase (480V) Amps	150A
Hybrid Drive System Specifications			
Peak Output	110kW max	Battery Capacity	30kWh
Battery Output (< 60% Load)	60kW max (173 Amp Load)	Frequency	60Hz
Total Battery Life (Energy Throughout)	2,100 MWh	Battery Cycles (100°F)	80K
Battery Chemistry	Lithium Titanium Oxide (LTO)	Operating Temp	-22°F to 130°F (-30°C to 54°C)
Charge Time (No Load)	~30 min	Telematics	Monitoring & Reporting
Engine Specifications			
Engine	Isuzu BR-4HK1X	Lubricating Oil Capacity	6.1 gal
HP @ 1800rpm	147.9HP	Coolant Capacity	6.7 gal
Fuel Tank Capacity	168 gal	Battery	12V x 1, 12V System
Weights and Dimensions			
L x W x H without Trailer	137" x 51" x 73"	Trailer Weight	1,850 lbs
L x W x H with Trailer	231" x 84" x 89"	Dry / Operating Weight (Gen Only)	7,879 lbs / 9,202 lbs
GVWR	10,550 lbs	Sound Level @ 23 FT (Full Load)	67 dBA

*Specifications shown subject to change without notice. Please contact ANA for current specifications and model information.

Learn More About



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FLEXBOOST™



SOLD AND SERVICED BY

Cypress, CA // Henderson, NV // Spartanburg, SC
Executive Offices // 1770 Raiders Way, Henderson, NV 89052
1 (562) 450-3570 // sales@anacorp.com // www.anacorp.com

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