

20X

UP TO 20X THE
CYCLE LIFE OF
LFP BATTERIES



SAFE BATTERY
TECHNOLOGY
NO THERMAL RUNAWAY



WIDEST
TEMPERATURE
OPERATING RANGE



SIMULTANEOUS
OUTPUT
VOLTAGES



REMOTE ACCESS
MONITORING &
TRACKING



INDUSTRIAL
GRADE
INVERTERS



**15 kWh
ULTRA
HIGH CYCLE
LITHIUM
TITANATE
OXIDE (LTO)
BATTERY CHEMISTRY**

PATENTS PENDING

PERFORMANCE //

- 1 - 10" Touchscreen Control Panel
- 2 - Simul. Voltage Output Panel
- 3 - Emergency Stop Button
- 4 - Delta Demand Excitation™
- 5 - QuietTech™ Sound Attenuation
- 6 - Telematics Monitoring System

MAINTENANCE //

- 7 - Lift-off Door Hinges
- 8 - Ext. Fuel Tank Connections
- 9 - 110% Fluid Containment
- 10 - Service Extensions
- 11 - Fuel & Containment Drains
- 12 - Removable Trailer Fenders

CONSTRUCTION //

- 13 - Powder-coated Steel Enclosure
- 14 - Stainless Steel Hardware
- 15 - Lockable Access Doors
- 16 - Automotive Door Seals
- 17 - 51.5 Gallon Fuel Tank
- 18 - Heavy-Duty Steel Trailer



Isuzu®4LE2T
Tier 4 / CARB
Diesel Engine



1 | 10" Touchscreen Control Panel with Color Display



**2 | Simultaneous Voltage Options
120V - 20A x 1 - | 240V - 50A x 1
1Φ 240V & 3Φ 208/480V Cam-Loks™**



**6 | Telematics Monitoring System
Remote access and monitoring of fuel,
runtime, GPS, load and more**



**8 | External Fuel Tank Connections
with 3-Way Selection Valve**

IMPROVE FUEL ECONOMY // LOWER CARBON EMISSIONS // REDUCE NOISE LEVELS
THE INDUSTRY'S HIGHEST-QUALITY HYBRID POWER SYSTEMS

HYBRID ENERGY SYSTEM MODEL BOSS25-15



PATENTS PENDING

SPECIFICATIONS	BOSS25-15
HYBRID ENERGY SYSTEM	ANA Energy Boss™
PRIME OUTPUT	
THREE-PHASE	30 kVA / 24 kW
SINGLE-PHASE	20 kVA / 16 kW
FREQUENCY	60 Hz
VOLTAGE (THREE-PHASE), SIMULTANEOUS	120 / 208 / 277 / 480
VOLTAGE (SINGLE-PHASE), SIMULTANEOUS	120 / 240
VOLTAGE REGULATION	Adjustable
OUTPUT PANEL	
SINGLE-PHASE (120V)	20A
SINGLE-PHASE (240V)	50A
THREE-PHASE (480V)	480V Cam-Locks™
THREE-PHASE (208V)	208V Cam-Locks™
SINGLE-PHASE (240V)	240V Cam-Locks™
CONTROLS	
CONTROL PANEL	10" Full Color Touch Screen
TELEMATICS	Generator & Energy Boss™
ESG REPORTING	Yes
TECHNOLOGY	
BATTERY CHEMISTRY	Lithium Titanate Oxide (LTO)
INVERTER	Industrial Grade 3-Phase, 25 kW
BATTERY SYSTEM VOLTAGE	400V
DC BUS VOLTAGE	600+ VDC
BATTERY LIFE*	
BATTERY TYPE	Lithium Titanate Oxide (LTO)
BATTERY SIZE	15 kWh
EST. CYCLE LIFE @ 77°F LABORATORY CONDITIONS	90K Cycles at 90% DOD
EST. CYCLE LIFE @ 100°F ENCLOSURE TEMPERATURES	80K Cycles at 90% DOD
BATTERY LIFE (100°F) @ 3 kW AVERAGE LOAD	41 Years
OPERATING TEMPERATURES	
INVERTER COLD START TEMPERATURE (MINIMUM)	14°F
RUNNING OPERATING TEMPERATURE	-22°F to 130°F
ARCTIC PACKAGE OPERATING TEMP. (OPTIONAL)	-50°F to 130°F
BATTERY CHARGING TEMPERATURE	-22°F to 130°F
WEIGHTS & DIMENSIONS	
LENGTH x WIDTH x HEIGHT (ENERGY BOSS™ ONLY)	40" x 48" x 46"
SKID WEIGHT (ENERGY BOSS™ ONLY)	1,700 lbs
LENGTH x WIDTH x HEIGHT (w/TRAILER & GENERATOR)	160" x 74" x 75"
TOTAL WEIGHT (WITHOUT / WITH FUEL)	5100 lbs / 5500 lbs
WARRANTY	
ENERGY BOSS™ ONLY	2 Years
ENERGY BOSS™ WITH TRAILER & GENERATOR	2 Years, 2000 Hours
MANUFACTURER BATTERY WARRANTY	7 Years
SERVICE & SUPPORT	24/7, 365 Days
TRAINING	Henderson, NV or On Location

* Battery expected to retain 95% of its life after 7 years under 24/7 operation at 3 kW average load.

All specifications are subject to change without prior notice. Contact ANA, Inc. for the most current information.

What is the optimal battery size that yields the best fuel efficiency, least emissions, and Generator run time?

The answer is battery size doesn't make a difference. A bigger battery is like having a 50-gallon fuel tank in a car vs. a smaller 20-gallon fuel tank. The MPG is the same regardless of fuel tank or battery size. The difference is the smaller battery will require more battery charge cycles. The same as a smaller fuel tank will need more refills. Larger batteries do have a longer continuous operating time however do require a longer charge time and therefore consuming the same amount of fuel. A larger battery with less cycle life uses far more precious minerals, environmental resources, and will need to be replaced more frequently. This is why ANA selected a smaller battery but with the most advanced technology and the most charge cycles available. This approach substantially reduces our carbon footprint and environmental impact overall. The ANA Energy Boss™ Hybrid Energy System is hands down the greenest option in the market today.

BATTERY SIZE - VS - FUEL CONSUMPTION

BATTERY SIZE COMPARISON	15 kWh	30 kWh	60 kWh
GENERATOR OUTPUT	20 kW		
AVERAGE LOAD	5 kW		
AVAILABLE POWER TO CHARGE	15 kW		
GENERATOR ON	1 hour	2 hours	4 hours
GENERATOR OFF	3 hours	6 hours	12 hours
GENERATOR ON (IN 24 HOURS)	6 hours		
GENERATOR OFF (IN 24 HOURS)	18 hours		
FUEL CONSUMED PER DAY (APPROX.)	10 gallons		
BATTERY CYCLES PER DAY	6	3	1.5
REDUCED GENERATOR HOURS	Up to 75%		

ANA ENERGY BOSS™ HYBRID ENERGY SYSTEMS BENEFITS

- Reduced Green House Gas Emissions
- Remote Access and Monitoring
- Reduced Fuel Consumption
- Low Maintenance Cost & Service Savings
- Reduced Noise / More Quiet Time
- Cost Effective and High ROI

SOLD AND SERVICED BY

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ANA

We make your world easier.