



ANA, INC. HYBRID ENERGY SYSTEMS FULL LINE BROCHURE

BUILT TO PERFORM IN **ANY** ENVIRONMENT



EBOSS® 25kVA HYBRID SYSTEM
W/ OPTIONAL SOLAR

EBOSS® 70kVA
HYBRID SYSTEM



20x

UP TO 20X THE
CYCLE LIFE OF
NMC/LFP BATTERIES



SAFE BATTERY
TECHNOLOGY
NO THERMAL RUNAWAY



WIDEST
TEMPERATURE
OPERATING RANGE



SIMULTANEOUS
OUTPUT
VOLTAGES



REMOTE ACCESS
MONITORING &
TRACKING



INDUSTRIAL
GRADE
INVERTERS

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

HYBRID ENERGY SYSTEM MODEL

FULL LINE SPECIFICATIONS



| PARAMETER | EBOSS® 25 kVA | EBOSS® 70 kVA | EBOSS® 125 kVA | EBOSS® 220 kVA | EBOSS® 400 kVA |
|--|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------------|
| SPECIFICATIONS | EBOSS® 25 kVA | EBOSS® 70 kVA | EBOSS® 125 kVA | EBOSS® 220 kVA | EBOSS® 400 kVA |
| MAXIMUM INTERMITTENT POWER OUTPUT | | | | | |
| THREE-PHASE | 30 kVA / 24 kW | 70 kVA / 56 kW | 125 kVA / 100 kW | 220 kVA / 176 kW | 400 kVA / 320 kW |
| SINGLE-PHASE | 20 kVA / 16 kW | 47 kVA / 37 kW | N/A / N/A | N/A / N/A | N/A / N/A |
| FREQUENCY | 60 Hz |
| SIMULTANEOUS VOLTAGE | 120/240 (1Φ) 208/480 (3Φ) | 120/240 (1Φ) 208/480 (3Φ) | 120V (1Φ) 208/480 (3Φ) | 120V (1Φ) 208/480 (3Φ) | 120V (Courtesy Outlets) 480 (3Φ) |
| VOLTAGE REGULATION | Adjustable | Adjustable | Adjustable | Adjustable | Adjustable |
| MAXIMUM CONTINUOUS POWER OUTPUT (Battery SOC at 0%) | | | | | |
| GENERATOR | Airman SDG25 | Airman SDG45 | Airman SDG65 | Airman SDG125 | Airman SDG220 |
| GENERATOR CHARGE RATE | 25 kVA / 20 kW | 45 kVA / 36 kW | 65 kVA / 52 kW | 125 kVA / 100 kW | 220 kVA / 176 kW |
| THREE-PHASE OUTPUT | 23 kVA / 19 kW | 42 kVA / 33 kW | 62 kVA / 50 kW | 120 kVA / 96 kW | 210 kVA / 168 kW |
| SINGLE-PHASE OUTPUT | 20 kVA / 16 kW | 28 kVA / 22 kW | 2.4 kW x 2 | 2.4 kW x 2 | 2.4 kW x 2 |
| OPTIMAL CONTINUOUS LOAD | < 9 kW | < 25 kW | < 50 kW | < 75 kW | < 125 kW |
| SIMULTANEOUS VOLTAGE | 120/240 (1Φ) 208/480 (3Φ) | 120/240 (1Φ) 208/480 (3Φ) | 120V (1Φ) 208/480 (3Φ) | 120V (1Φ) 208/480 (3Φ) | 120V (Courtesy Outlets) 480 (3Φ) |
| MAX. CONTINUOUS AMP-LOAD (208V) | 70 A | 119 A | 167 A | 328 A | N/A |
| MAX. CONTINUOUS AMP-LOAD (480V) | 30 A | 54 A | 76 A | 150 A | 264 A |
| TECHNOLOGY | | | | | |
| BATTERY CHEMISTRY | Lithium Titanate Oxide (LTO) |
| BATTERY CAPACITY | 15 kWh | 25 kWh | 50 kWh | 75 kWh | 125 kWh |
| TOTAL BATTERY LIFE OR ENERGY THROUGHOUT | 1,200 MWh | 2,000 MWh | 4,000 MWh | 6,000 MWh | 10,000 MWh |
| CHARGE TIME (NO LOAD) | < 45 min | ≈ 45 min | ≈ 1 hour | ≈ 50 min | ≈ 45 min |
| INVERTER OUTPUT MAX | 24 kW | 56 kW | 100 kW | 176 kW | 320 kW |
| BATTERY LIFE* | | | | | |
| BATTERY SIZE | 15 kWh | 25 kWh | 50 kWh | 75 kWh | 125 kWh |
| EST. CYCLE LIFE @ 77°F ENCLOSURE TEMPERATURES | 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 | 20 Years | 20 Years | 20 Years | 20 Years |
| OPERATING TEMPERATURES | | | | | |
| INVERTER COLD START TEMPERATURE (MINIMUM) | 14°F | 14°F | 14°F | 14°F | 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 | | | | | |
| L x W x H x (EBOSS ONLY) | 40" x 48" x 46" | 55" x 44" x 62" | ≈73.5" x 61" x 104.5" | ≈73.5" x 61" x 104.5" | TBD |
| EBOSS WEIGHT ONLY | 2,120 lbs | 2,700 lbs | 9,600 lbs | 11,200 lbs | 11,037 lbs |
| L x W x H (TRAILER AND GENERATOR) | 160" x 74" x 75" | 167" x 71" x 76" | ≈233" x 52" x 97" | ≈249" x 52" x 97" | ≈262" x 74" x 75" |
| TOTAL WEIGHT (WITHOUT/WITH FUEL) | 5100 / 5500 lbs | 6,950 / 7,600 lbs | ≈18,000 lbs | ≈ 21,000 lbs | ≈ 24,000 lbs |
| ACCESSORIES | | | | | |
| COLD WEATHER PACKAGE (Y/N) | Yes | Yes | Yes | Yes | Yes |
| ARCTIC PACKAGE (Y/N) | Yes | Yes | Yes | Yes | Yes |
| SOLAR (Y/N) | Yes | Yes | No | No | No |
| PARALLEL CAPABILITY (Y/N) | Yes | Yes | Yes | Yes | Yes |
| TRAILER MOUNT OPTION (Y/N) | Yes | Yes | Yes | Yes | No |
| SKID MOUNT OPTION (Y/N) | Yes | Yes | Yes | Yes | Yes |

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

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

ANA EBOSS® HYBRID ENERGY SYSTEMS BENEFITS

SOLD AND SERVICED BY

- Increased Fuel Efficiency
- Reduced Green House Gas Emissions
- Cost Effective High ROI
- Minimize Noise / Maximize Quiet Time
- Eliminate Maintenance Needs and Remote Access and Monitoring
- Operational Hours by up to 75%

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ANA

We make your world easier.