



# ANA

We make your world easier.



## EBOSS<sup>®</sup> HYBRID ENERGY SYSTEMS FULL-LINE SPECIFICATIONS

EBOSS<sup>®</sup> hybrid systems deliver reliable energy in city, remote and mission-critical environments, reducing fuel, noise, and downtime.



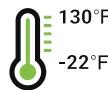
UNLIMITED  
PARALLELING

20X

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



SAFE BATTERY  
TECHNOLOGY/ NO  
THERMAL RUNAWAY



WIDEST RANGE  
OF OPERATING  
TEMPERATURE

1Φ AND 3Φ

SIMULTANEOUS  
OUTPUT  
VOLTAGES



EASY TO USE  
AND OPERATE



CONTINUOUS  
POWER

# JOURNEY TO ZERO<sup>®</sup>



SPECIFICATIONS	EBOSS® 25-25	EBOSS® 70-40	EBOSS® 70-45	EBOSS® 70-65
<b>MAXIMUM INTERMITTENT POWER OUTPUT</b>				
THREE-PHASE	30 kVA / 24 kW	70 kVA / 56 kW	70 kVA / 56 kW	70 kVA / 56 kW
SINGLE-PHASE	20 kVA / 16 kW	47 kVA / 37 kW	47 kVA / 37 kW	47 kVA / 37 kW
FREQUENCY	60 Hz	60 Hz	60 Hz	60 Hz
SIMULTANEOUS VOLTAGE	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)
VOLTAGE REGULATION	Adjustable	Adjustable	Adjustable	Adjustable
<b>MAXIMUM CONTINUOUS POWER OUTPUT (Battery SOC at 0%)</b>				
GENERATOR	AIRMAN® SDG25	AIRMAN® SDG40	AIRMAN® SDG45	AIRMAN® SDG65
GENERATOR CHARGE RATE	25 kVA / 20 kW	38 kVA / 30 kW	45 kVA / 36 kW	57 kVA / 48 kW
THREE-PHASE OUTPUT	23 kVA / 19 kW	36 kVA / 28 kW	42 kVA / 33 kW	52 kVA / 44 kW
SINGLE-PHASE OUTPUT	20 kVA / 16 kW	28 kVA / 22 kW	28 kVA / 22 kW	47 kVA / 37 kW
OPTIMAL CONTINUOUS LOAD	< 9 kW	< 25 kW	< 25 kW	< 50 kW
SIMULTANEOUS VOLTAGE	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)	120 / 240 (1φ) 120 / 208 / 277 / 480 (3φ)	120/240 (1φ) 120 / 208 / 277 / 480 (3φ)
MAXIMUM CONTINUOUS AMP-LOAD (208V)	70 A	119 A	119 A	167 A
MAXIMUM CONTINUOUS AMP-LOAD (480V)	30 A	54 A	54 A	76 A
<b>TECHNOLOGY</b>				
BATTERY CHEMISTRY	Lithium Titanium Oxide (LTO)	Lithium Titanium Oxide (LTO)	Lithium Titanium Oxide (LTO)	Lithium Titanium Oxide (LTO)
BATTERY CAPACITY	15 kWh	25 kWh	25 kWh	25 kWh
TOTAL BATTERY LIFE OR ENERGY THROUGHOUT	1,200 MWh	2,000 MWh	2,000 MWh	2,000 MWh
CHARGE TIME (NO LOAD)	< 45 min	≈ 45 min	≈ 45 min	≈ 50 min
INVERTER OUTPUT MAX	24 kW	56 kW	56 kW	56 kW
<b>BATTERY LIFE*</b>				
BATTERY SIZE	15 kWh	25 kWh	25 kWh	25 kWh
EST. CYCLE @ 77°F ENCLOSURE TEMPERATURES	90K Cycles at 90% DOD	90K Cycles at 90% DOD	90K Cycles at 90% DOD	90K Cycles at 90% DOD
EST. CYCLE @ 100°F ENCLOSURE TEMPERATURES	80K Cycles at 90% DOD	80K Cycles at 90% DOD	80K Cycles at 90% DOD	80K Cycles at 90% DOD
BATTERY LIFE (100°F @ 3 kW AVERAGE LOAD)	41 Years	41 Years	41 Years	41 Years
<b>OPERATING TEMPERATURES</b>				
INVERTER COLD START TEMPERATURE (MINIMUM)	14°F	14°F	14°F	14°F
RUNNING OPERATING TEMPERATURE	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F
ARCTIC PACKAGE OPERATING TEMPERATURE (OPTIONAL)	-50°F to 130°F	-50°F to 130°F	-50°F to 130°F	-50°F to 130°F
BATTERY CHARGING TEMPERATURE	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F
<b>WEIGHTS &amp; DIMENSIONS</b>				
L x W x H (EBOSS ONLY)	41" x 50" x 55"	42" x 42" x 59"	42" x 52" x 59"	42" x 52" x 59"
EBOSS WEIGHT ONLY	2,134 lbs	2,520 lbs	2,520 lbs	2,520 lbs
L x W x H (EBOSS AND GENERATOR)	155" x 71" x 76"	167" x 71" x 76"	167" x 71" x 76"	213" x 84" x 85"
TOTAL WEIGHT (WITHOUT/WITH FUEL)	5,100 / 5,500 lbs	5,716 / 6,328 lbs	5,988 / 6,600 lbs	7,950 / 9,850 lbs
<b>ACCESSORIES</b>				
COLD WEATHER PACKAGE (Y/N)	Yes	Yes	Yes	Yes
ARCTIC PACKAGE (Y/N)	Yes	Yes	Yes	Yes
SOLAR (Y/N)	Yes	Yes	Yes	Yes
PARALLEL CAPABILITY (Y/N)	Yes	Yes	Yes	Yes
TRAILER MOUNT OPTION (Y/N)	Yes	Yes	Yes	Yes
SKID MOUNT OPTION (Y/N)	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.



SPECIFICATIONS	EBOSS <sup>®</sup> 125-65	EBOSS <sup>®</sup> 125-125	EBOSS <sup>®</sup> 220-125	EBOSS <sup>®</sup> 400-220
<b>MAXIMUM INTERMITTENT POWER OUTPUT</b>				
THREE-PHASE	125 kVA / 100 kW	125 kVA / 100 kW	220 kVA / 176 kW	400 kVA / 320 kW
SINGLE-PHASE	N/A	N/A	N/A	N/A
FREQUENCY	60 Hz	60 Hz	60 Hz	60 Hz
SIMULTANEOUS VOLTAGE	120 (1φ) 208 / 480 (3φ)	120 (1φ) 208 / 480 (3φ)	120 (1φ) 208 / 480 (3φ)	120V (Courtesy Outlets) 480 (3φ)
VOLTAGE REGULATION	Adjustable	Adjustable	Adjustable	Adjustable
<b>MAXIMUM CONTINUOUS POWER OUTPUT (Battery SOC at 0%)</b>				
GENERATOR	AIRMAN <sup>®</sup> SDG65	AIRMAN <sup>®</sup> SDG125	AIRMAN <sup>®</sup> SDG125	AIRMAN <sup>®</sup> SDG220
GENERATOR CHARGE RATE	65 kVA / 52 kW	125 kVA / 100 kW	125 kVA / 100 kW	220 kVA / 176 kW
THREE-PHASE OUTPUT	62 kVA / 50 kW	62 kVA / 50 kW	120 kVA / 96 kW	210 kVA / 168 kW
SINGLE-PHASE OUTPUT	2.4 kW x 2	2.4 kW x 2	2.4 kW x 2	2.4 kW x 2
OPTIMAL CONTINUOUS LOAD	< 50 kW	< 75 kW	< 75 kW	< 125 kW
SIMULTANEOUS VOLTAGE	120 (1φ) 208 / 480 (3φ)	120 (1φ) 208 / 480 (3φ)	120 (1φ) 208 / 480 (3φ)	120V (Courtesy Outlets) 480 (3φ)
MAXIMUM CONTINUOUS AMP-LOAD (208V)	167 A	328 A	328 A	N/A
MAXIMUM CONTINUOUS AMP-LOAD (480V)	76 A	150 A	150 A	264 A
<b>TECHNOLOGY</b>				
BATTERY CHEMISTRY	Lithium Titanium Oxide (LTO)	Lithium Titanium Oxide (LTO)	Lithium Titanium Oxide (LTO)	Lithium Titanium Oxide (LTO)
BATTERY CAPACITY	50 kWh	50 kWh	75 kWh	125 kWh
TOTAL BATTERY LIFE OR ENERGY THROUGHOUT	4,000 MWh	4,000 MWh	6,000 MWh	10,000 MWh
CHARGE TIME (NO LOAD)	≈ 50 min	≈ 45 min	≈ 45 min	≈ 45 min
INVERTER OUTPUT MAX	100 kW	100 kW	176 kW	320 kW
<b>BATTERY LIFE*</b>				
BATTERY SIZE	50 kWh	50 kWh	75 kWh	125 kWh
EST. CYCLE @ 77°F ENCLOSURE TEMPERATURES	90K Cycles at 90% DOD	90K Cycles at 90% DOD	90K Cycles at 90% DOD	90K Cycles at 90% DOD
EST. CYCLE @ 100°F ENCLOSURE TEMPERATURES	80K Cycles at 90% DOD	80K Cycles at 90% DOD	80K Cycles at 90% DOD	80K Cycles at 90% DOD
BATTERY LIFE (100°F @ 3 kW AVERAGE LOAD)	41 Years	41 Years	41 Years	41 Years
<b>OPERATING TEMPERATURES</b>				
INVERTER COLD START TEMPERATURE (MINIMUM)	14°F	14°F	14°F	14°F
RUNNING OPERATING TEMPERATURE	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F
ARCTIC PACKAGE OPERATING TEMPERATURE (OPTIONAL)	-50°F to 130°F	-50°F to 130°F	-50°F to 130°F	-50°F to 130°F
BATTERY CHARGING TEMPERATURE	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F	-22°F to 130°F
<b>WEIGHTS &amp; DIMENSIONS</b>				
L x W x H (EBOSS ONLY)	82" x 62" x 93"	82" x 62" x 93"	91" x 62" x 102"	91" x 62" x 111"
EBOSS WEIGHT ONLY	7,623 lbs	7,623 lbs	8,673 lbs	11,036 lbs
L x W x H (EBOSS AND GENERATOR)	237" x 84" x 106"	255" x 84" x 106"	255" x 84" x 106"	317" x 85" x 119"
TOTAL WEIGHT (WITHOUT/WITH FUEL)	12,000 / 13,000 lbs	16,550 / 18,050 lbs	17,520 / 19,020 lbs	21,600 / 23,800 lbs
<b>ACCESSORIES</b>				
COLD WEATHER PACKAGE (Y/N)	Yes	Yes	Yes	Yes
ARCTIC PACKAGE (Y/N)	Yes	Yes	Yes	Yes
SOLAR (Y/N)	No	No	No	No
PARALLEL CAPABILITY (Y/N)	Yes	Yes	Yes	Yes
TRAILER MOUNT OPTION (Y/N)	Yes	Yes	Yes	No
SKID MOUNT OPTION (Y/N)	Yes	Yes	Yes	Yes

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

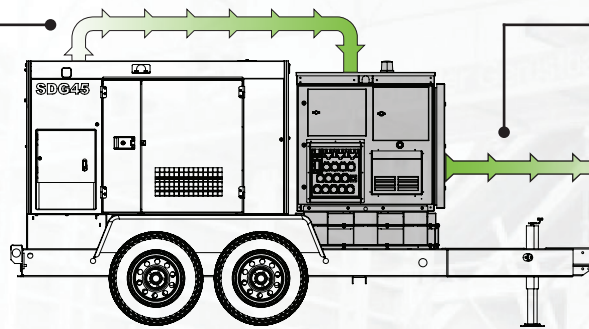
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## ► How It Works

The generator charges the EBOSS® battery, then shuts down while the EBOSS® powers the load until the battery is depleted. This cycles multiple times per day, allowing the generator to run less frequently, reducing fuel consumption, run time, and emissions.

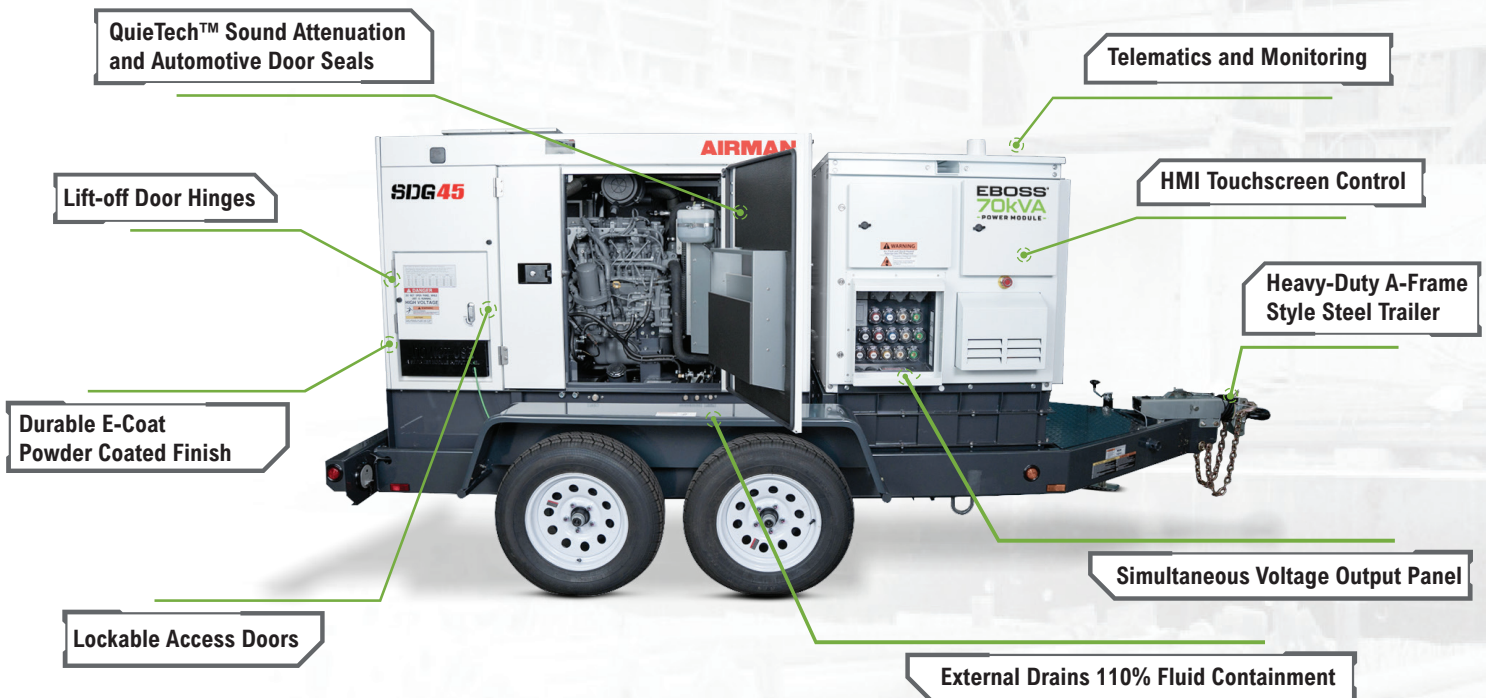
### Charging the EBOSS®

The generator charges the EBOSS® battery. Once the battery is fully charged, the generator shuts off.



### Powering the Load

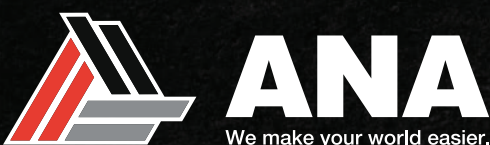
The stored energy in the battery provides power to the load. Once the battery discharges to 15% capacity, the generator starts up again to charge the battery.



# Driven by Innovation. Driven by Efficiency. Driven by **EBOSS®**

## Are you Ready to Transform your Power?

Across city centers, remote sites to major builds, EBOSS® drives your progress with reliable power that is seamlessly integrated, fuel-efficient and built to perform with fewer hours and quieter operation.



**Contact Us** to schedule a demo, request specs, or speak with a product expert.

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