

MobileESS 430- 430



| GENERAL | |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| CONFIGURATION | 430 kW / 430 kWh |
| DIMENSIONS (LWH) | STANDARD: 2991 X 2438 X 2896 mm / MINI: 3000 X 2250 X 2400 mm |
| WEIGHT | STANDARD: 9.8 TONS / MINI 9.5 TONS |
| CONTAINER TYPE | 10FT CONTAINER |
| OPERATING AMBIENT TEMPERATURE | GLOBAL: -30°C ~ +55°C, MIDDLE EAST: 0°C ~ +60°C |
| ACOUSTIC LEVEL AT 1.5M | < 85 db |
| HUMIDITY | 0% to 95% (NO CONDENSATION) |
| INGRESS PROTECTION / ANTICORROSION | IP55 / C3 |
| FIRE SUPPRESSION SYSTEM | AEROSOL |
| OUTPUT ISOLATION | ISOLATION TRANSFORMER |
| COMMUNICATION INTERFACE | ETHERNET, RS485 COPPER BUSBAR |
| INPUT/ OUTPUT CONNECTION (1) | CE, SAFETY: EN624777-1, EMC: IEC 61000-6-2, IEC61000-6-4, BATTERY: IEC 62619, IEC 62933; PGS37, CATL CELL : UL1973, UL9540A, CE (IEC62619) |
| COMPLIANT WITH EXPECTED LIFETIME | > 10 YEARS |
| AC POWER | |
| RATED AC POWER | 430 kW |
| POWERBOOST PEAK POWER (@60 SEC) | 500 kW |
| POWERBOOST PEAK POWER (@10 SEC) | 600 kW |
| INPUT/ OUTPUT RATED VOLTAGE | 400 Vac @ 3 PHASES 3L/N/PE |
| INPUT/OUTPUT FREQUENCY | 50/60 Hz ± 2.5 Hz |
| BATTERY | |
| BATTERY CELL TYPE | CATL LFP 285 Ah |
| RATED ENERGY STORAGE CAPACITY (2) | 430 kWh |
| DEPTH OF DISCHARGE (DoD) (3) | 90% / 80% |
| MAX CHARGING RATE / RATED DISCHARGE RATE | 1C/1C |
| EXPECTED LIFECYCLES (4) | 8000 CYCLES |
| THERMAL MANAGEMENT (BATTERY SYSTEM) (5) | LIQUID COOLING |
| OPTIONAL FEATURES | |
| MATRIXPOWER SCALABLE OUTPUT (UP TO) | 1.7 MW - 4 UNITS |
| RARNGE-EXTENDED SERIAL CHARGING POWER (6) | 90 kW |
| SMARTGENSET (7) (BUILT-IN SMART DIESEL GENERATOR MANAGEMENT SYSTEM) | YES, adopt to DeepSea, ComAp, SmartGen etc. |
| PREMIUM INPUT/OUTPUT CONNECTION (1) | POWERLOCK (MAX 800 A), CEE FORM CONNECTOR (16 A / 63 A) |
| BUILT-IN / ADD-ON FAST EV CHARGER | 180KW / 240 kW CCS2 |
| INPUT BY EV CHARGER | - |
| IOT / GPS / AI Watt CLOUD (8) | 4G / YES / YES |
| PREMIUM ANTICORROSION (9) | C4 |

(1) The standard input/ output connection type is the copper busbar. If the Buyer select the premium opional connection with powerlock, the copper busbar have to be replaced by the powerlock. | (2) The rated energy of battery is the output from DC side. | (3) DoD 90% is intended for regular load applications, while DoD 80% is suitable for inductive load applications such as tower cranes, pumps, motor, and similar equipment. | (4) One cycle is defined as a round trip with full charge and full discharge. The expected lifecycles refer to the lifespan of the battery cell as designed by the manufacturer, not EJT's warranty cycles. | (5) Coolant type: EUROPE: PROPYLENE GLYCOL, MIDDLE EAST / SINGAPORE: ETHYLENE GLYCOL. | (6) Before selecting this feature, buyers need to calculate the daily energy consumption of their site and the daily energy generation based on the input power. | (7) SMARTGENSET is EJT's proprietary technology designed for smart hybrid control with diesel generators. Users should utilize the synchronized models of diesel generators equipped with Deepsea 8610/8620, Comap IG 200/500 G2 /1000 /2000/ NTC BB, and specific models from SmartGen. If the buyer cannot commission the diesel generator controller themselves, they should contact the brand owner for onsite support. | (8) For the IoT device, MobileESS offers 4G device selected by the EJT, along with specific years of complimentary service on the Supplier's standard AI Watt Cloud and app, which is designed and implemented by EJT and complies with European regulations. Since laws differ by country, GPS is not a mandatory feature and, if necessary, should be discussed separately with EJT. | (11) For C4, the HHS Salt Mist HEPA/EPA Filter is an additional spare part that needs to be replaced every 1 to 6 months, depending on actual conditions.