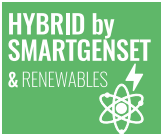




# MobileESS 1K-1K



GENERAL	
CONFIGURATION	1000 kW / 1075 kWh
DIMENSIONS (LWH)	5800 X 2250 X 2250 mm
WEIGHT	20 TONS
CONTAINER TYPE	20FT 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	1000 kW
POWERBOOST PEAK POWER (@60 SEC)	1200 kW
POWERBOOST PEAK POWER (@10 SEC)	1200 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)	1075kWh
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 - 2 UNITS
RARNGE-EXTENDED SERIAL CHARGING POWER (6)	180 kW
SMARTGENSET (7) (BUILT-IN SMART DIESEL GENERATOR MANAGEMENT SYSTEM)	YES, adopt to DeepSea, ComAp, SmartGen etc.
PREMIUM INPUT/OUTPUT CONNECTION (1)	POWERLOCK (MAX 1600 A), CEE FORM CONNECTOR (16 A / 63 A)
BUILT-IN / ADD-ON FAST EV CHARGER	240 kW / 360 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.

