

PEOPLE
PRODUCT
PERFORMANCE



HYBRID 15K-20



WIND & SOLAR GENERATOR



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HYBRID 15K-20 (WIND & SOLAR)

CLEAN ENERGY SOLUTIONS

The Motive 15k-20 is a 20ft hybrid power container which incorporates small scale wind with solar pv to provide a fully autonomous renewable energy power supply.

The energy is stored within the fully integrated battery bank and distributed via internal inverter and control systems which can be remotely monitored via customised dashboards from any location worldwide.

The units are fully modular, therefore can be inter-connected for applications that require a larger power supply. The Motive range of renewable power generators can also be supplemented with small super-efficient back-up diesel gensets that can also be housed within the containerised systems. Back-up genset integration is automatically controlled based on load demand and the current state of charge of the internal battery bank.

Motive also provide bespoke system design to cover a wide range or operational conditions, from variants on voltage, environmental conditions to specialist requirements on transportation and certification.

BENEFITS



24/7
POWER
SUPPLY



2 Year
SERVICE
INTERVALS



CO₂
REDUCE
EMISSIONS



2-3
HOUR
SET UP TIME

STANDARD PRODUCT SPECIFICATION

Peak Output	15kVa Single Phase
Wind	SDWE 3kW - Class 1
Solar PV	8kWp - N-Type Cells
Battery	AGM Gell Cell / Lithium Ion
Control	MPPT Charge Controllers (variable voltages)
Monitoring Connectivity	GSM / Ethernet / Wifi
Remote Logging	Customised Dashboards
Weight	15Te (may vary depending on battery type)
Operational Dimensions	(20ft Container) 7967 x 6587 x 9955
Applications	Remote / Off-grid / Stand-alone
Wind Cut In Speed	2.5m/s
Wind Cut Out Speed	None - Continuous Operation
Survival Wind Speed	Designed to Class 1 (70m/s)
Genset Back Up	Compatible - Automatic from battery state of charge
Operating Temperature	-40 to +60oC
Car Charging	2 Standard Charging Points
Build Material	Mild Steel EN 10056, en 10210

ALTERNATIVE DESIGN FEATURES

Three Phase	45kVa
Storage alternative	Hydrogen
Car Charging	Fast Charging Capability

The Motive 15k-20 can be adapted for any type of application

SECTORS & APPLICATIONS

Construction Welfare
Rural Electrification
Stand-alone
Unmanned Oil & Gas Platforms
Telecoms
Military Support
Disaster Relief
Agricultural / Farms
Utility
Self Build - New Builds
Lighthouses
Railway Welfare
Industrial Support
Emergency Back Up
Aqua-culture
Off-Mains Domestic