

# AURORA

renewable energy electric generation,  
mobile and autonomous unit

Aurora is a customizable unit for green energy generation, which can be delivered anywhere in a standard container. It can supply energy from sunlight, wind and fuel cells. Specially thought for natural disasters, isolated areas, civil works, field hospitals, small temporary housing and humanitarian actions. Using a robotic arm, it automatically deploys all panels, after that it would raise up and support the wind turbine, with minimum human attendance. Also, it can be remotely controlled and monitorized.

AURORA examples	AUESMa-F03G15E15	AUESMa-F04G15E20	AUESMa-F09G15EZS	AUESMa-FZSG15E60	AUESMa-F01G05EZS BTS
Photovoltaic [kWp]	38,5	46,0	92,0	0	10,2
Eolic [kWp]	15	20	0	60	0
Batteries [kWh]	272	343	336	350	50
TOTAL Power [kWp]	53,5	66,0	92,0	60	10,2
<b>TOTAL Energy [MWh/year]</b>	<b>99,2</b>	<b>125,2</b>	<b>122,7</b>	<b>127,7</b>	<b>11,4</b>

*Ask for your own customized design, for proper technical and economical proposals*

## FEATURES

- ▶ It's an electrical green generator mobile system.
- ▶ Standard container easily transportable.
- ▶ Remote monitorizing and control system.
- ▶ Fully autonomous.
- ▶ Automatic hydraulic legs system for download/load from the truck and stabilization of the deployed system.
- ▶ Robotic arm included and it's the mast of the wind turbine.
- ▶ Gel batteries included for enegy storage and continuous supply.
- ▶ Optional Fuell Cell H2 based for energy storage through electrolyser and stored as metal hydrides.
- ▶ The electrolyzer in the optional H2 module, also produces oxygen under medic quality specs.
- ▶ 100% Customizable for any place conditions.
- ▶ More than 120 photovoltaic panels [higher than 60 Kw].
- ▶ One to several wind turbines [From 5 to higher than 60 Kw].

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