

# Containerised Electric Vehicle Charging Station

Hybrid power up to 90kVA, single and three phase



Our electric vehicle charging station is a fully sustainable containerised solution that provides recharging power from renewable energy sources. Based on our containerised hybrid power unit, these vehicle charging stations feature a mounted solar array on the roof of the container which charges the intelligent battery bank within. The stored battery power is then available to recharge electric vehicles that plug in to the container. The units can be configured to accept wind as well as solar.

As part of the design, the solar array can be dismantled and stored within the container, making it easy to transport to locations worldwide as a fully iso rated standard shipping container. Each unit offers a sturdy solution for locations where a grid connection is unavailable and can be easily operated and maintained by owners.



**Silent Power**  
Battery storage delivers silent power



**Plug and Play**  
Quick and easy installation reduce on site time



**Reduced Emissions**  
Reduces overall emissions (NOx CO2) and reliance on fossil fuels

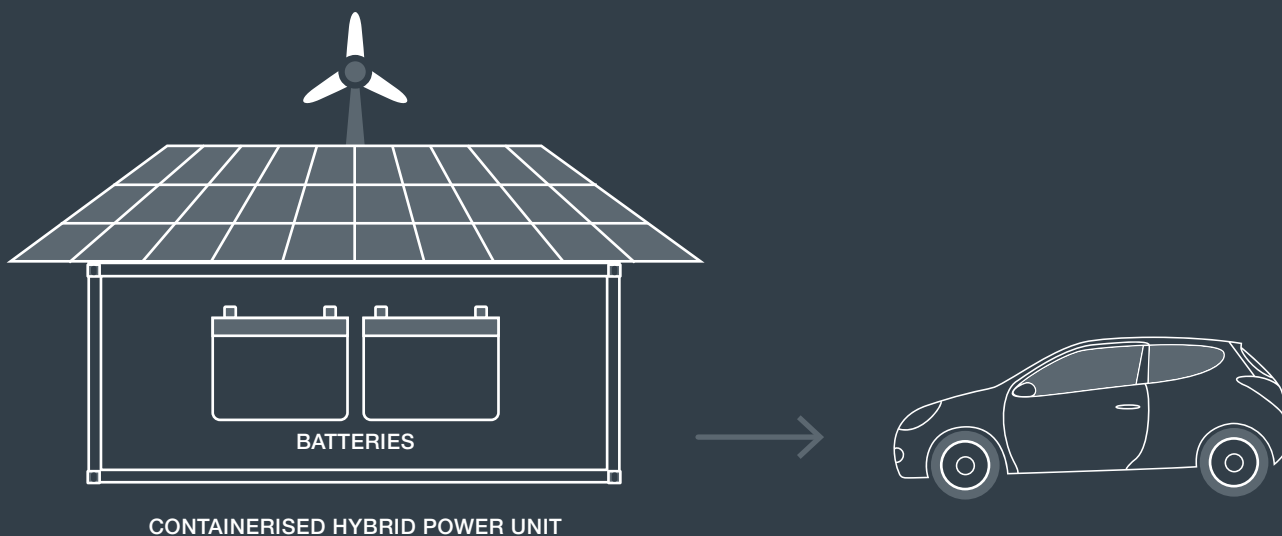


**Remote Monitoring**  
Control and monitor the system remotely



**Renewables**  
Connect solar PV, wind and/or micro hydro

## Containerised Electric Vehicle Charging Station System



20kVA CONTAINERISED ELECTRIC VEHICLE CHARGING STATION	
Inverter Charger Model	2 x Victron Quattro 48V 10000VA
Transfer switch	2 x 100A
AC Input	187-265VAC 1PH
DC Voltage Range	38 – 66V
Output Voltage	230VA +- 2% Frequency: 50Hz +- 0.1%
Cont. Output at 25 °C	16,000W
Cont. Output at 40 °C	13,000W
Peak power	20,000W
Outlets (Standard)	4 x EV Charging Points
Operating Temp Range	-20°C to +50°C (fan assisted cooling)
MONITORING & CONTROL	
	Victron VRM
BATTERIES	
Type / Quantity	48 x 2V
Cyclic Life (50% DOD)	1500
Type	GEL
Capacity	84kWh (Usable 42kWh)
EV CHARGING POINTS	
Capacity	4 x 16A
Type (Standard)	Type 2
SOLAR ARRAY	
Panels	34 x 325W
Capacity	11.05kW
SOLAR CHARGE CONTROLLER	
Model	2 x Victron BlueSolar Charge Controllers
Max Output Current	140A
WIND TURBINE	
Model	Air Force 1
Max Output	Rating @ 12m/s - 1kW
ENCLOSURE	
Size	20ft ISO Container
Weight	5400kg
Lifting options	4 Point Lift

This is our standard station, other options are available on request.

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#### Made in the UK

Designed and built in the UK by Energy Solutions – with over 20 years of electrical power experience, each unit is manufactured to the exacting standards required for standalone power sources.

#### Warranty and Service

The unit is covered by our own one year warranty, and the Victron power electronics are covered with a 5 year limited warranty.

Images are for illustrative purposes only and actual products and examples may differ from those shown. All details correct at time of going to press but subject to change. E & EO.”