

# ZHYPHENMOBILE

## OWN YOUR POWER



### POWERFUL MOBILE ENERGY SOURCE

The Zhyphen mobile range is truly a mobile energy source, with four high output models, 500w, 1500w, 3000w, & 5000w.

Ideal for running LED lights, charging phone or powering any device depending on demand, ideal for outreach medical situations.

## ZHYPHEN MOBILE

Unique VACAMS Technology  
(allowing for charging from the vehicles alternator whilst in transit) \*

Increased ROI

Solar or Grid charging options

Lithium Battery

Built in Protection monitoring

### HOPE FOR THE NATIONS

Hope for the Nations works in partnership to identify, nurture and equip.

They aim to change and empower lives by identifying and nurturing an individual's unique talents.

Hope Village in Malawi have received and are deploying in their medical outreach clinics a Zhyphen Mobile Unit.



VACAMS is only fitted as optional extra \*

# WHY is our ESS so unique?

## HIGH POWER OUTPUT

**OUTPUT** Unique architecture in all Zhyphen systems produce more useable energy. Our ESS has only one power conversion process, therefore offering far more output. This process is greater than 98% efficient.

## CONNECTIVITY AND MONITORING

Excellent proprietary central energy management systems (BMS) measure all power going in and out of the batteries and calculates the available capacity to a high degree of accuracy.

This is completed via the internal processor and 24bit ADC measurement devices. The battery capacity can be read on the installed display and on any Wi-Fi enabled device in %, Ah and kWh.



## EXCELLENT ROI

The unique proprietary BMS allows for only 80% deep discharge (DoD) typically doubling the lifespan compared to 100% DoD. All in one system: simply connect solar panels. There are no external components, making for a truly fully integrated unit which reduces time & costs therefore creating a very high ROI. "The plug & play" attribute also allows for our ESS to be installed in developing countries where high level electrical knowledge is scarce.

## FLEXIBILITY

Zhyphen power modules are compact and scalable and support up to 20KW power. They are designed with bi-direction concept and can be set as either AC/DC, DC/DC charger or DC/AC inverter. With up to eight power modules, it can be separated to function in different operation modes to meet diverse power requirements.



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