

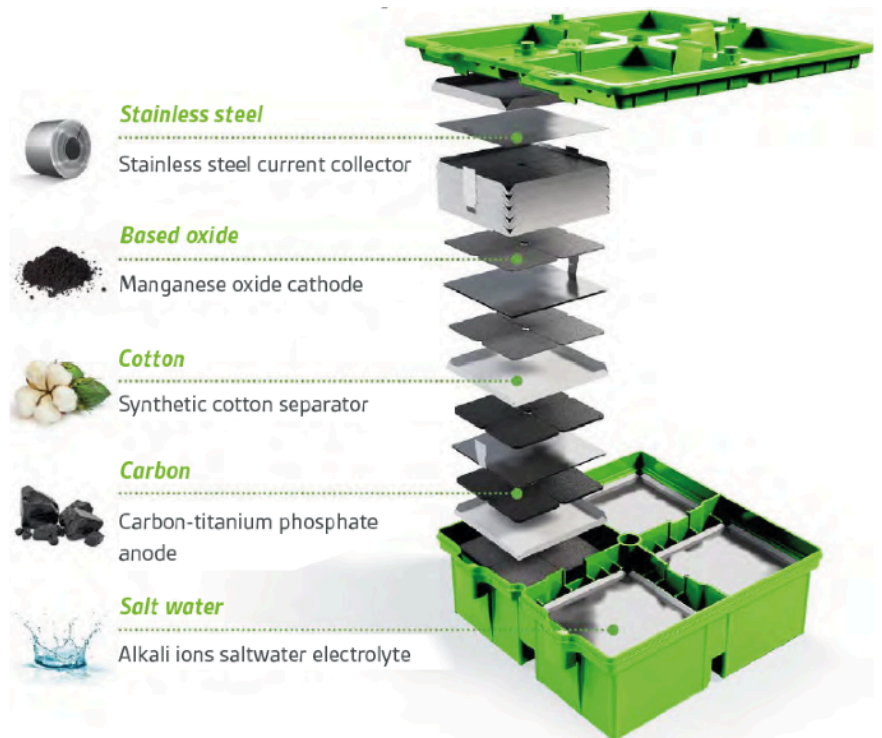
Sunnytek & Partners is very happy to offer a new generation of salt based battery systems suitable for energy storage applications. These batteries contains no poisonous materials and the electrolyte the is just salt water. The battery is possible the most green battery available today.

The technology is very good as a battery and it is very good for energy storage where the rather heavy design is not to critical. Lead is anyway heavier. The battery can be deep cycled to 100% depth and have a 15 + years life time.

Battery is made in EU area with highest quality components and craftsmanship.

**Characteristics.**

- \* Plug &play installation with no need for special cables and computer busses
- \* Safe design that can not get into fire.
- \* Contain not acids and dangerous materials.
- \* Temperature range - 5 C too + 50C and no substantial degeneration at higher temperatures
- \* 5000 cycles life time at 100% depth of discharge. 70% capacity remain. Up to 10000 cycles at lower depth and at 25C
- \* Zero maintenance and no service needed during life cycle.
- \* Can not be destroyed by overcharge
- \* No hazard equipment and classification makes transports easier
- \* The perfect back up system and emergency power solution.
- \* Complete range of extras and other equipment for solar and wind installations. Can be used in hybride installations and off grid island sites
- \* Sunnytek Solar solar panels and energy solutions can be added and integrated in solutions with the salt batteries.





**12 V / 675WH battery unit.** This is the smallest salt battery with 12 volts output and 675 WH in energy storage. It is a good energy storage in small systems. It can not be used as car battery as it makes max 20A in current

Energy content 675 WH / 5A current at 12 volts  
Operating voltage 8.8-15 volt DC  
Depth of discharge 100% and max 20A in current  
Efficiency 88.5%  
Operation temperature - 5C till 50C  
Life cycles 5000 Cycles at 80% discharge = about 15 years life time  
Dimensions 235x323x329 mm Weight 35 Kg  
Warranty 5+3= 8 years



**24/48V / 2.7KWH Battery unit** This is the standard battery with 24 or 48 volt operation. Energy content is 2.7 KWH

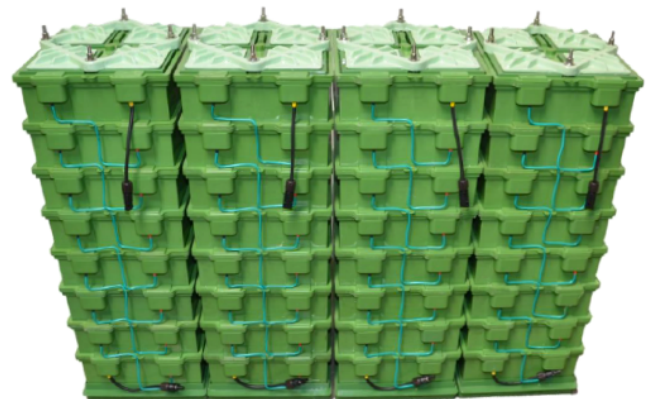
Energy content 2.7 KWH / 20 or 40A A current at 24 or 48 volts  
Operation voltage 17.5-30 volt alternative 35-60 volt  
Depth of discharge at 100% and max current 20 or 40A  
Efficiency 88.5%  
Operation temperature - 5C till 50C  
Life cycles 5000 Cycles vid 80% discharge = ca 15 years. In stand by mode and back up it may do over 9000 cycles.  
Dimensiones 929x313x329 mm  
Weight 140 Kg  
Warranty 5+3= years



**Battery units for several units with 48 volt.**

With larger demands and 48 volt operation voltage we can add many units in parallell. Today we have solutions up to 500 KWH energy storage capacity. Container solutions are posiosble.

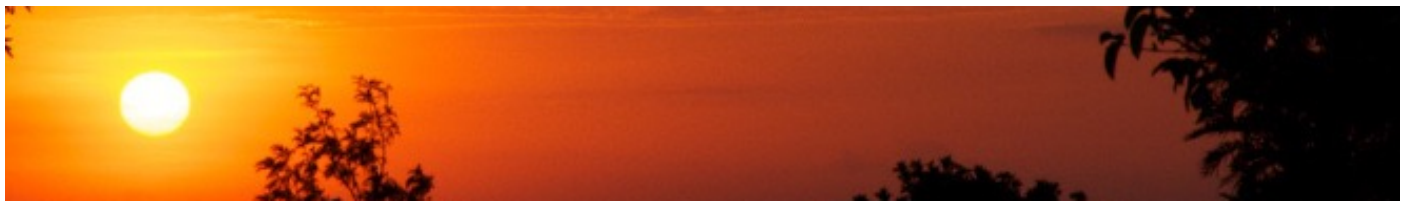
Sunnytek Solar design and build complete systems with solar / wind energy and a battery energy storage for 24/7 operation. We have complete solutions to offer. Special focus is tropical installations in hot climate and where demands for zero maintenance are important.



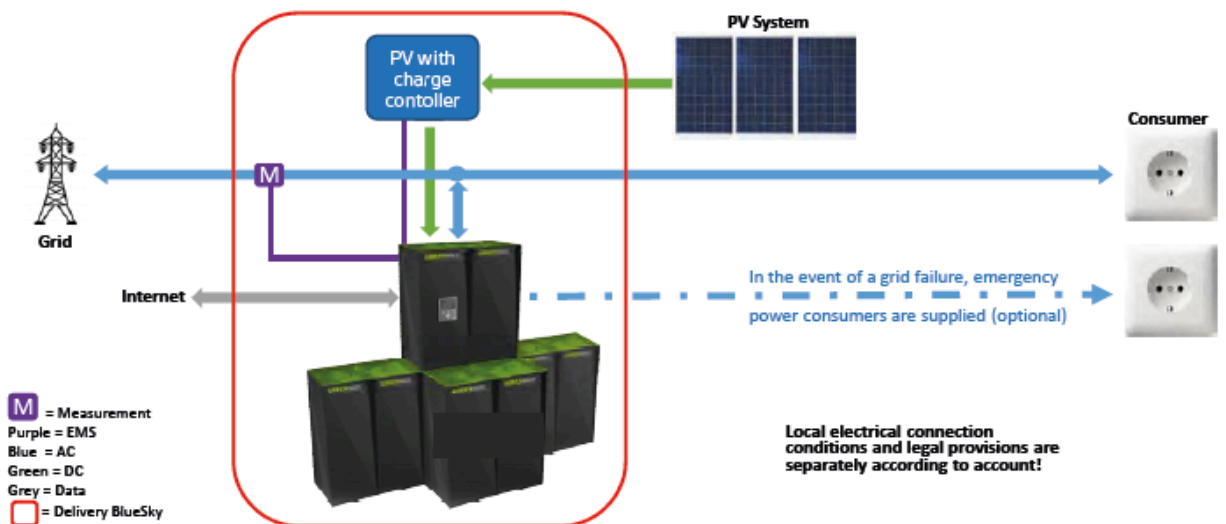
**Simple and Easy**







## DC coupling of PV systems with charge controller



## Island solution with AC coupling

