

## EXAMPLES OF BALANCED CONNECTIONS

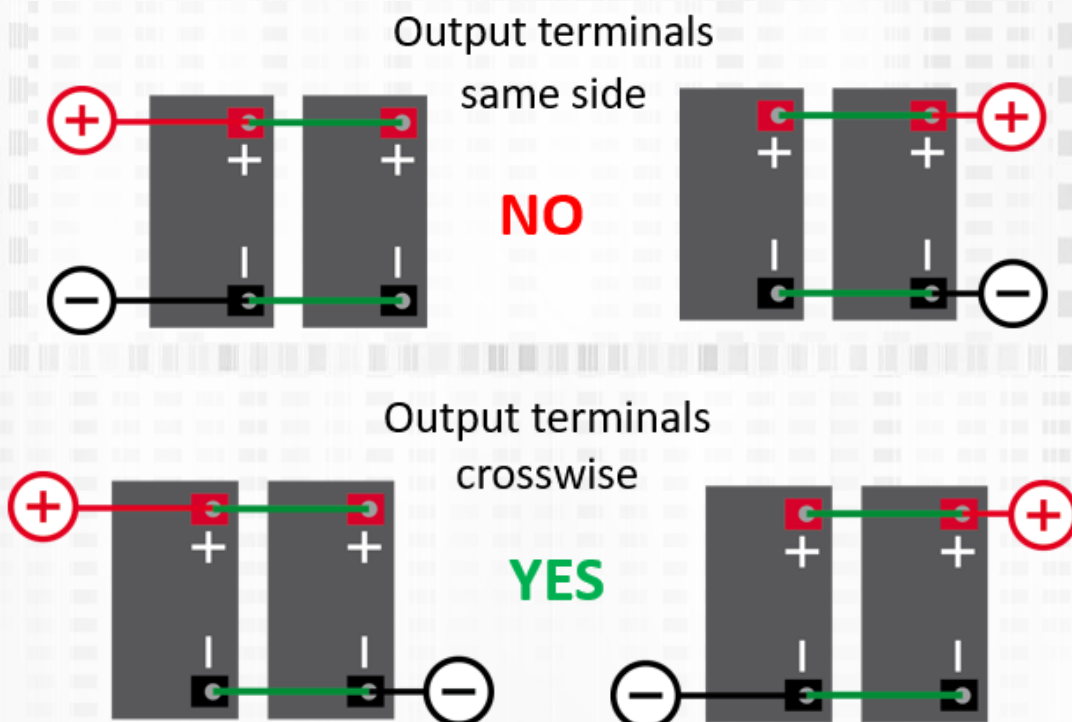
(see together with “Cable section as a function of the discharge current and distance of the load from the battery” and “Sizing table for connections between the batteries”).

In order to make a balanced connection, it is necessary:

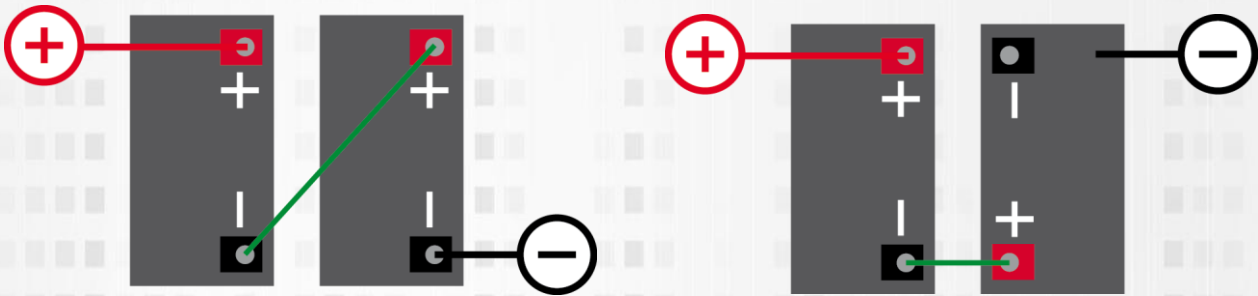
- Connect the load to the terminals of battery pack crosswise.
- Size carefully all the connection cables.
- Use only batteries with same brand, model, age, batch and properly equalised.
- Reduce the distance between the batteries (leave at least 5cm per side).
- Use Busbar for the distribution, do not use battery terminals as cables sorting.

**WARNING:** these connection diagrams have the only purpose of optimizing the correct operation of the battery pack. Obviously, according to the reference standards the installation of the system is the responsibility of the installer, who must issue the relevant certificate of conformity.

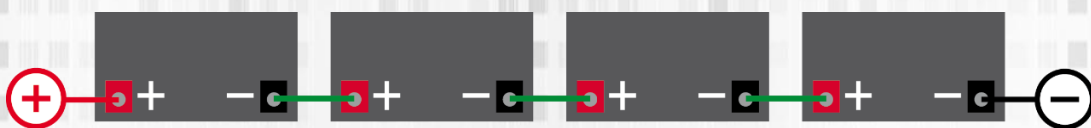
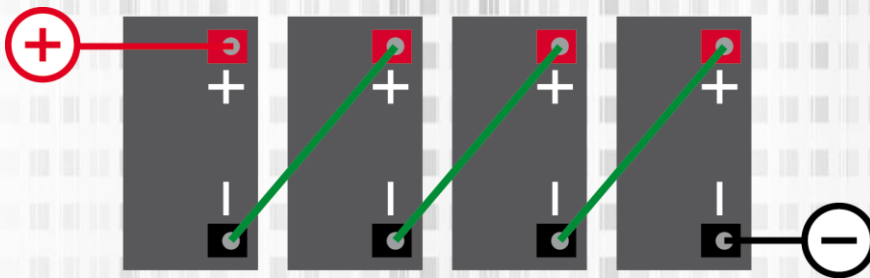
**U.B.S cannot be considered responsible for not conformity.**



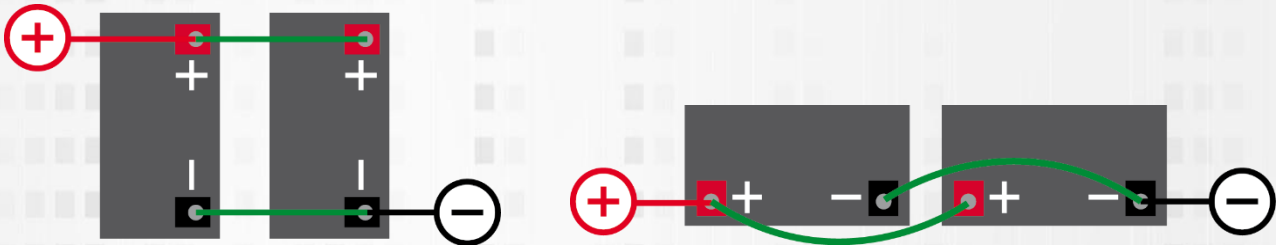
**Batteries configuration: 2S**  
*(2 moduls in Series)*



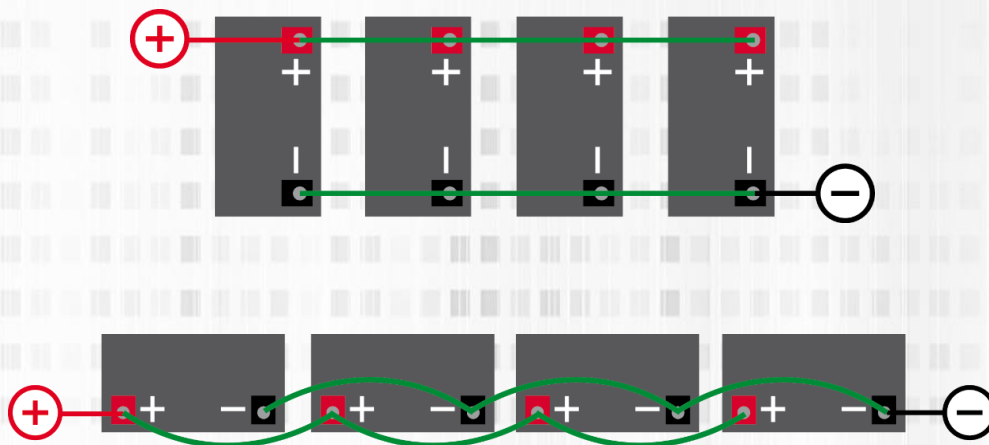
**Batteries configuration: 4S**  
*(4 moduls in Series)*



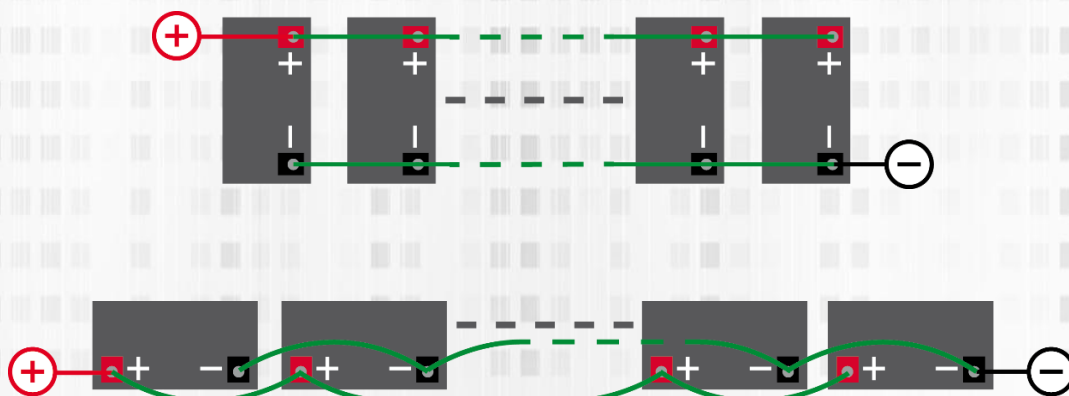
**Batteries configuration: 2P**  
*(2 moduls in Parallel)*



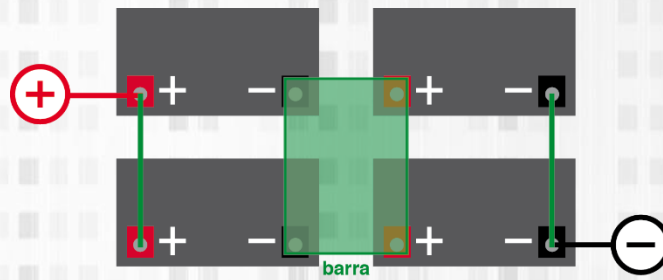
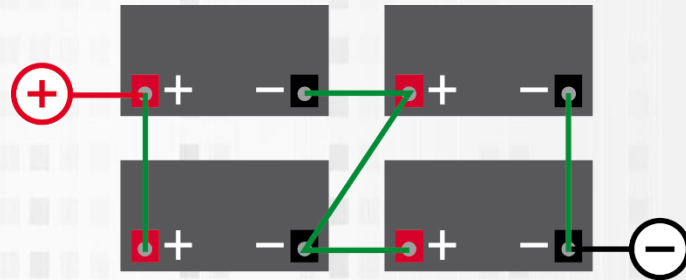
**Batteries configuration: 4P**  
*(4 moduls in Parallel)*



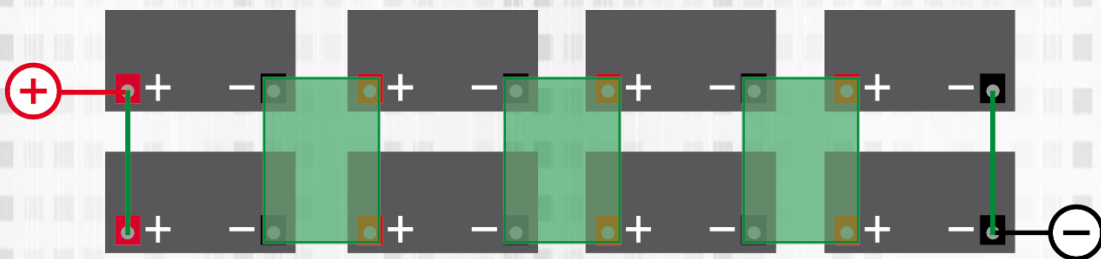
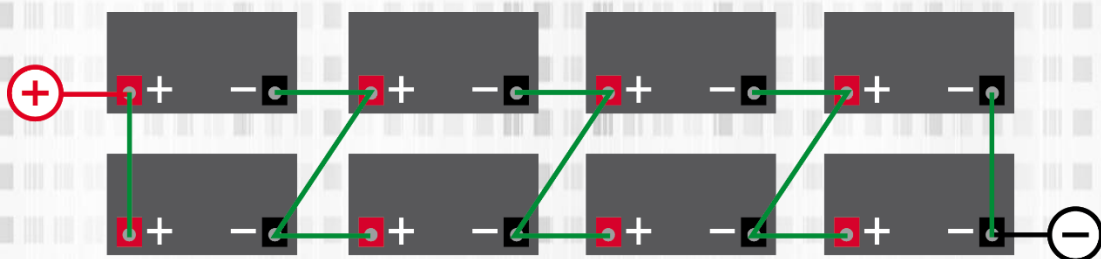
**Batteries configuration: nP**  
*(n moduls in Parallel)*



**Batteries configuration: 2S2P**  
*(2 moduls in Series and 2 in Parallel)*



**Batteries configuration: 4S4P**  
*(4 moduls in Series and 4 in Parallel)*



**Batteries configuration: 2S nP**  
*(2 moduls in Series and n in Parallel)*

