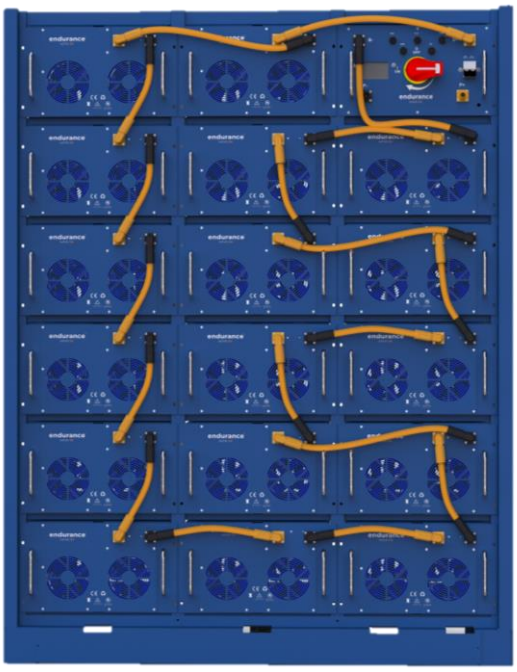
endurance ST 180kWh



Storage Growth

All scenarios point to a significant economic deployment of battery driven energy storage; storage is highly competitive as a new source of managing peak capacity with many projections of significant growth.

Storage as a capacity resource

Battery arrays can absorb renewable energy input and balance energy output needs.

Storage and Renewable Energy

Storage is a key enabling technology for the deployment of clean electricity generation, with strong synergies with PV. Longer duration and lower cost storage will also offer more opportunities for wind and storage.

The Role of Seasonal Storage

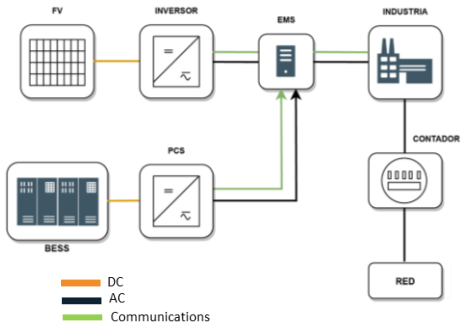
Storage will play an increasingly important role as electricity systems move towards 100% clean energy and will have multiple roles in the transformed electricity system.

Evolving Storage Duration

Improvements in storage duration: we reduce costs by increasing and optimising capacity. Our products allow energy to be stored and used strategically at key moments to avoid fines associated with exceeding the contracted power and furthermore reduce costs during periods of high rates.

Technology Evolution

In the next years, lithium-ion batteries are expected to dominate the storage market.



endurance ST 180kWh

Type Designation	Endurance ST 180 kWh
Technology	LFP
Configuration	17*2P16S
DC side	
Max DC volitage	979,2V
Nominal DC voltage	870,4V
Min DC voltage	734,4V
DC voltage range	734,4V-979,2V
Max DC current	210A
Efficiency	
Max efficiency	99 %
European efficiency	98,50%
Protection	
DC input protection (Fuse)	400A
Load Break Switch	250A
Surge protection	T1+T2
Visual monitoring	Yes
Overheat protection	BMS Controlled
General Data	
Dimensions (W"H'D]	1345*625*1660 mm
Standard charge and discharge	1C
Sound emission (dBA)	MAX 55
Weight	1625 Kg
Operating temperature (ºC)	Charge between 0ºC & 55ºC Discharge between -20ºC & 55ºC
Allowable relative humidity range	0% - 90%
Cooling method	Forced air cooling
Max operating altitude (m)	4000
Derating operative altutude (m)	2000
Display	PDMU + External Display + Remote Monitoring
Communication	CAN BUS / MOD BUS
Compliance	CE / UN38.3*
Warranty	
Cycles	5000**
Years	5

* In progress,
**This product is subject to specific warranty conditions. Please refer to the terms and conditions for detailed information on the applicable warranty.
*** Parallel batteries up to 16 Racks