

## Struggling with unpredictable energy costs?

R.Flo's cost-effective energy storage solutions:

1. offer a reliable way to manage your energy expenses and reduce reliance on the grid.
2. can keep your operations running smoothly, even during emergencies.
3. enables smarter energy management and significant cost reductions.

### Features

- **Only abundant materials in use**  
(no critical raw materials)
- **Up to 20 hours capacity**
- **CAPEX ~190 €/kWh  
for 6 hours duration**  
(system price with connection costs, EPC,  
development, not just cells)

### Benefits

- **Durability:**  
no cycle limits,  
no capacity fade,  
no performance loss
- **Safety:**  
non-toxic chemistry,  
non-flammable,  
inherently safe
- **Performance:**  
no A/C required,  
wide operation temp. range

### Specifications

Technical	
Battery type	All-Iron Redox Flow Battery
Power	125 kW
Energy / Capacity	1500 kWh
DoD	80%
RTE (DC-DC)	75%
Cycle life	20 000
Availability	98%+
Response time	Switch time ±1s, f/cold - 15 min
Communication	24/7 remote monitoring & control
Design lifetime	50 years
Frequency	45-55 Hz (40-60 Hz)
Environmental	
Noise emission	45 dB
Unit type	Shipping container
Footprint (LxWxH; exterior)	12.19m long x 2.44m wide x 2.59m high
Size	
Width with processing lines	3.94 m
Weight empty	3.8 - 4.2 tonne
Weight with power stack	5.4 - 5.8 tonne
Weight with electrolyte	45 - 46 tonne
Safety	
Enclosure leaking protection	IP 54
Fireproof (Fire suppression system)	Not required
Heating system	Integrated R.Flo self-heating system
A/C	Not required
Relative humidity	0-95%
Toxic fumes	None
Compliance	
Shipping format	Two 40-foot Shipping Containers. Electrolyte filling - on side
Cost of ownership and operation (annually)	approx. 4% with depreciation
Warranty	Passport warranty for unproduced components. 25 years for power stack & electrolyte
Localization	Indoor/Outdoor/On-ground/Underground

**For more information contact:**

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