

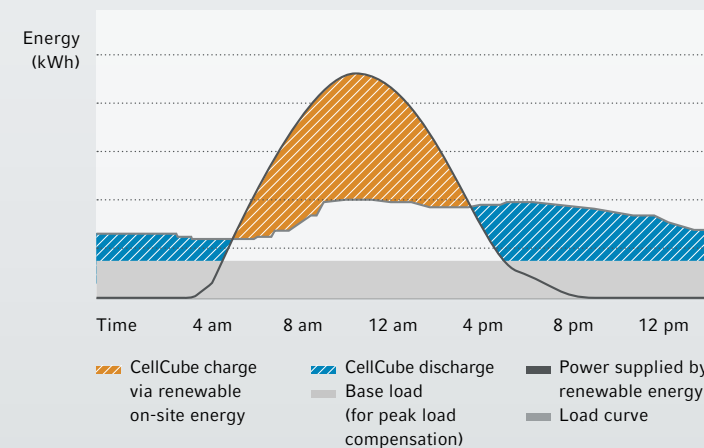
Optimal use of microgrids.

Reliable power supply with the intelligent CellCube storage system featuring vanadium redox flow battery technology.



The solution for your microgrid.

FULLY DEPENDENT (0% ON-SITE POWER)
external/grid power only



- Cost savings by avoiding high utility rates
- Reduced dependence on power grid
- Lower costs with on-site power generation and storage
- Predictable and cost-effective power rates
- Eliminate fluctuating rate pricing

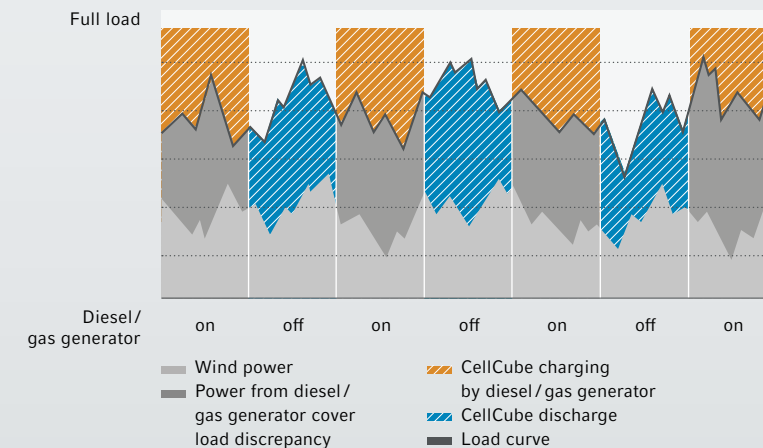
- Vanadium redox flow battery
- Tanks, stacks, pumps, fluid lines
- Battery management system

- Voltage conditioning (LV, MV, HV)
- Charge controller/inverter
- Additional electronics

- Temperature management
- Turnkey housing

- System integration
- Microgrid system control
- Microgrid system monitoring

AUTONOMOUS (100 % ON-SITE POWER)
on-site power only



- Over 50 % lower operating costs through reduced use of diesel
- Diesel generator charges CellCube during primary operation
- Full autonomy from power grid
- Reliable power supply via scalable CellCube energy storage system

IT'S ALL ABOUT ENERGY STORAGE

CellCube – Use your own power grid.

The scalable CellCube energy storage system with vanadium redox flow technology is the heart of an efficient microgrid solution. Thanks to its system integration it can balance out variability in electricity generation and utilization. Targeted management of power production and storage make it possible to achieve an effective drop in energy costs via an independent and stable power supply.

Scalable for any use –
up to the
MW range

Highlights

- Scalable up to the MW range
- Unlimited cycling
- Environmentally friendly
- Service life span > 20 years
- 100 % deep-discharge capable
- Non-flammable, non-explosive
- Central temperature management
- Turnkey energy storage system with tuned inverter



Certified by:



Power	Capacity (kWh)			
10 kW	40	70	100	130
20 kW	40	70	100	130
30 kW	40	70	100	130

Power	Capacity (kWh)		
200 kW	400	800	1,600
1 MW	2,000	4,000	8,000

BENEFIT FROM OUR EXPERTISE – OVER 100 SUCCESSFUL PROJECTS



Grid-connected solution
Freiberg, Germany



Grid-connected solution
Pellworm, Germany



Off-grid solution
Hakskeen Pan, South Africa



Off-grid solution
Bhopal, India

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