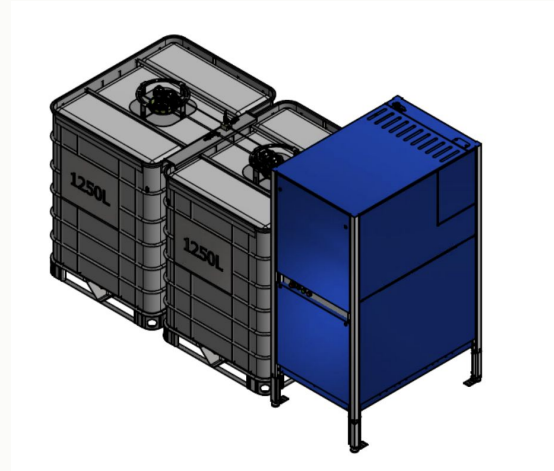


Flow batteries

Bryte Batteries will follow a modular approach for easy scalability, to meet any large scale energy storage requirements.

Batteries can be placed inside or outside buildings.



10 kW 30-100 kWh indoor setup



60 kW 350 kWh / 20-foot container

Battery energy storage technology comparison

	Flow battery	Li-ion LFP*	Li-ion NMC*
Risk of thermal runaway	No	Yes	Yes
Number of full charge cycles	20 000+	3-6000	2-3000
Life expectancy**	25 yrs +	8-12 yrs +	6-10 yrs
Self-discharge over time	No	Yes	Yes
Available charging window (longlife)	0-100 %	20-80 %	40-75%
Round trip efficiency	70-75%	90-93%	85-90%
Expected LCOS (life time cost per kWh)	0,63 - 1,26 kr	1,34 - 2,67 kr	2,80 - 4,2 kr
Nominal C-rate (kW per installed kWh)	1/3 - 1/6	1	1
Specific energy density	25-35 Wh/kg	90-160 Wh/kg	150-220+ Wh/kg

* Technical data based on standard Li-ion LFP and NMC chemistries. Source: <https://iopscience.iop.org/article/10.1149/1945-7111/abae37/pdf>

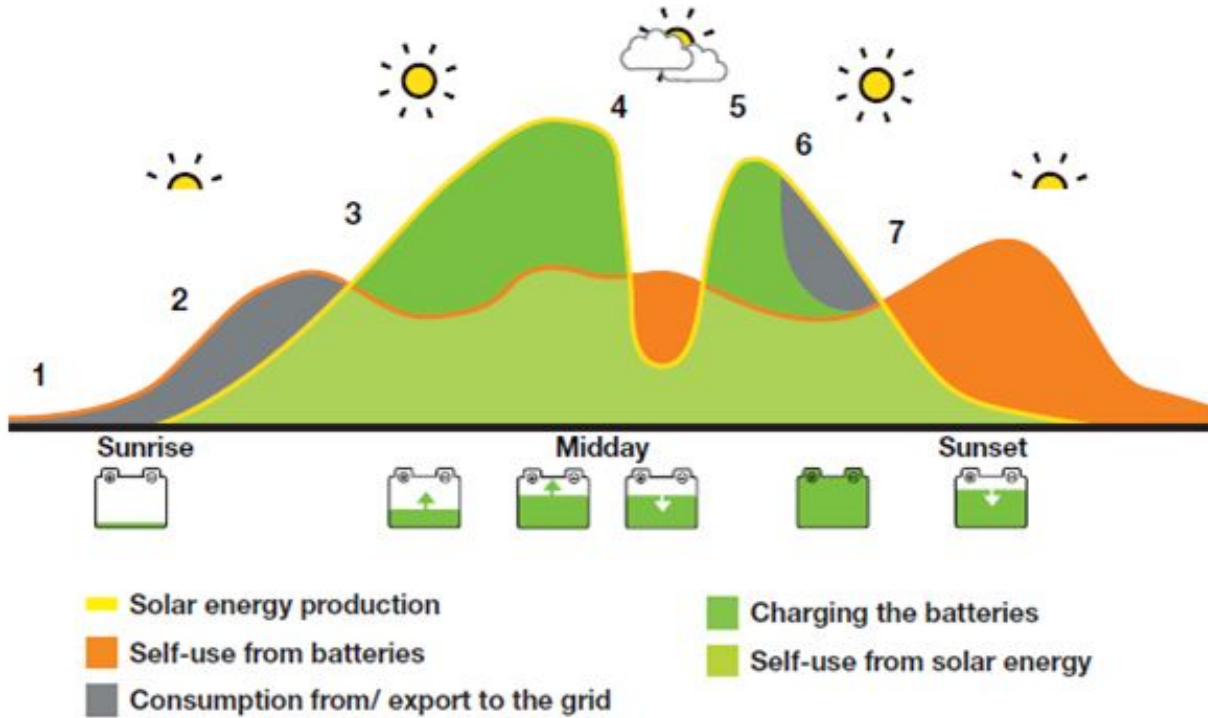
** Depending on maintenance intervals, battery quality, number of full cycles, C-rate, depth of discharge, ambient temperatures.

Benefits

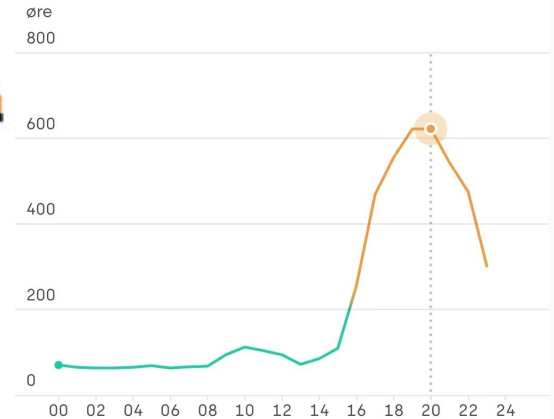
- Fireproof
- Long life time
- Easy to recycle
- No rare metals
- Low LCOS

Disadvantages

- Lower energy density
- Lower round trip efficiency
- Use of battery acid



Gjennomsnittspris i morgen: 212 øre
Pris inkl. avgifter



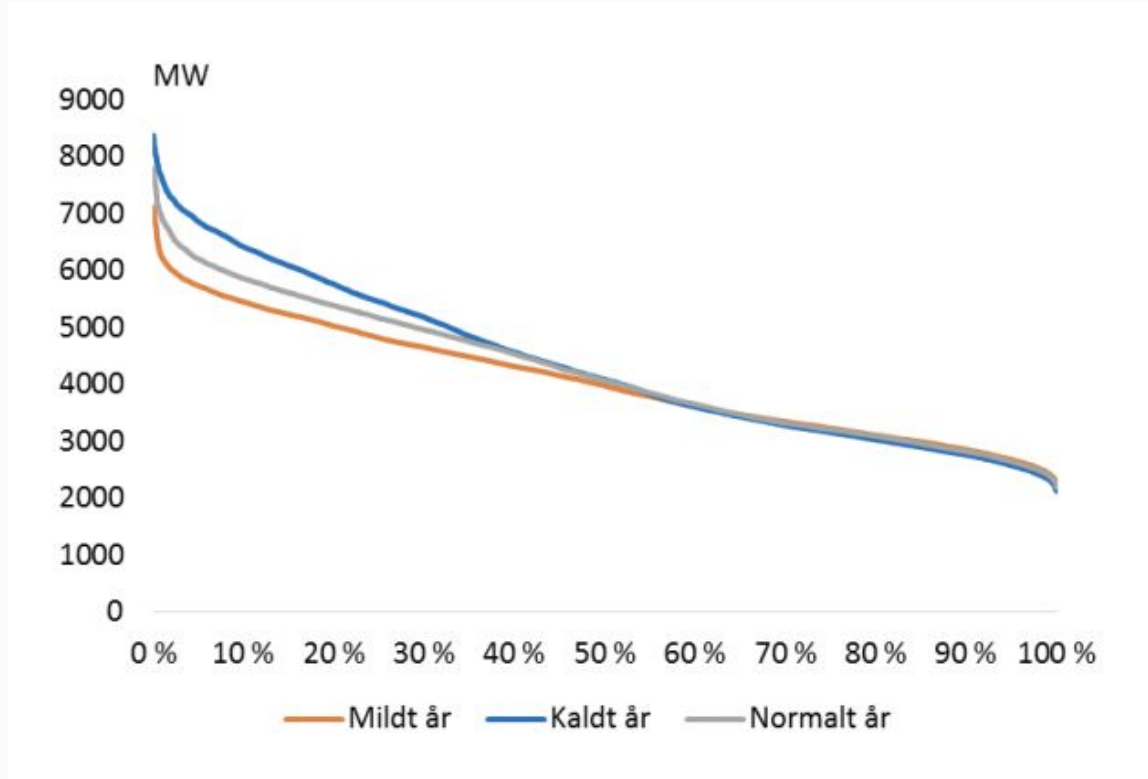
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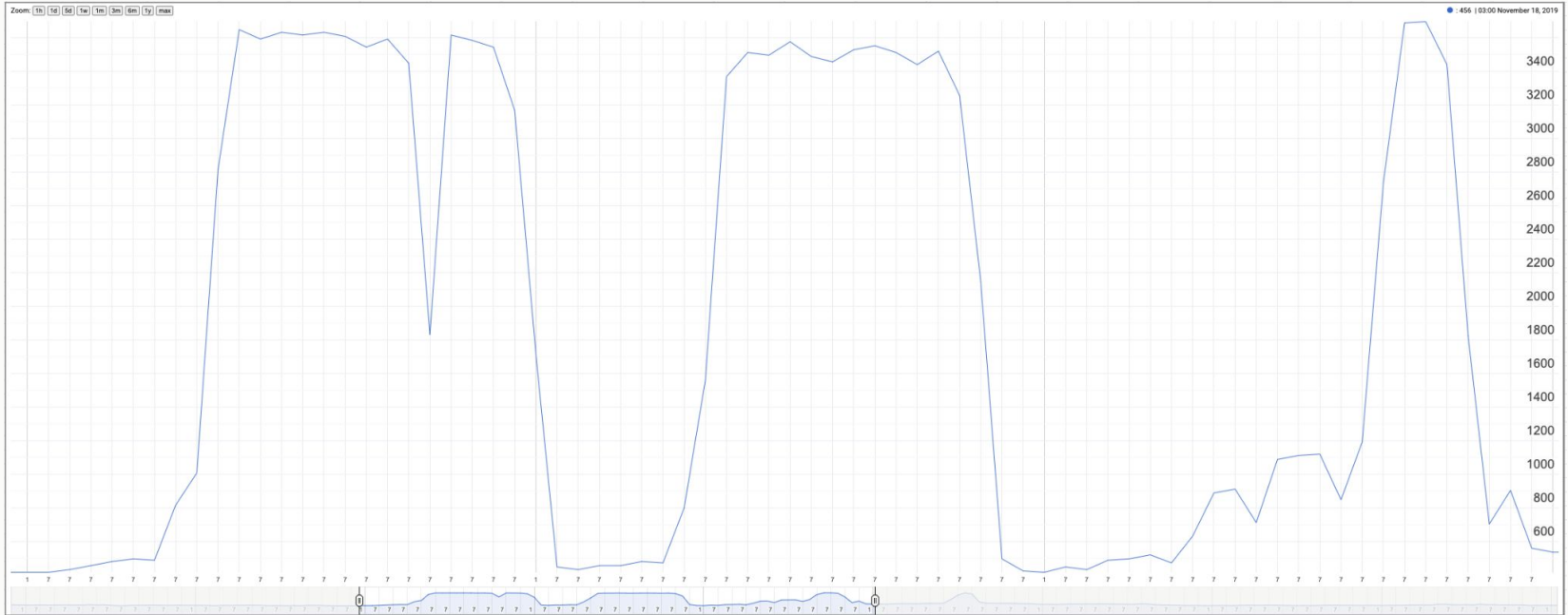
Strømnettet er fullt i Vestfold

Strømnettet er fullt, det er ikke kapasitet til å forsyne nye, store industrikunder med elektrisitet i Vestfold og Telemark.



All tilgjengelig kapasitet i eksisterende og planlagt nett i Vestfold og Telemark er reservert fram til 2035. *Illustrasjonsfoto: Annika Byrde*





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