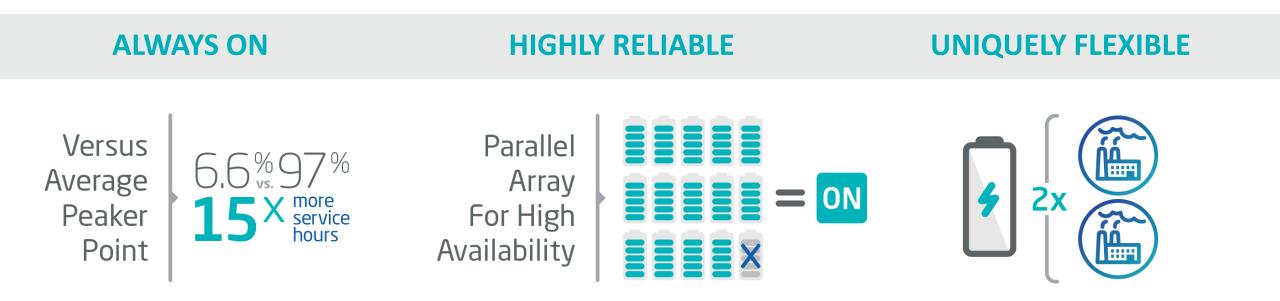
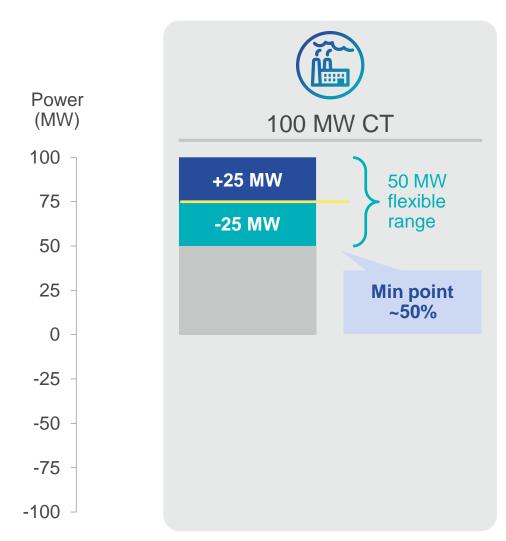


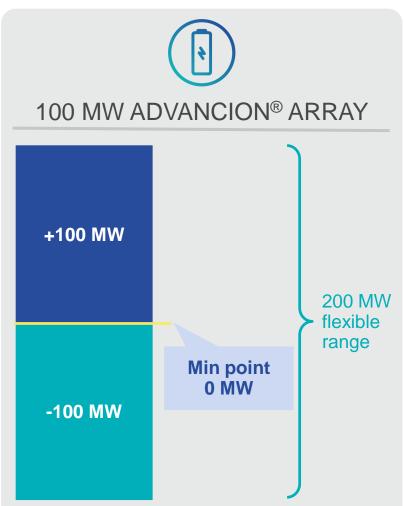
Unique capabilities vs. traditional resources





Up to 4 x the effective resources and unique operational and siting advantages over thermal peakers





ADVANTAGES OF BATTERY STORAGE

Fast ramp (<2 sec)

Unlimited starts / stops (no cost)

No emissions or water use

Ease of permitting

Rapid deployment

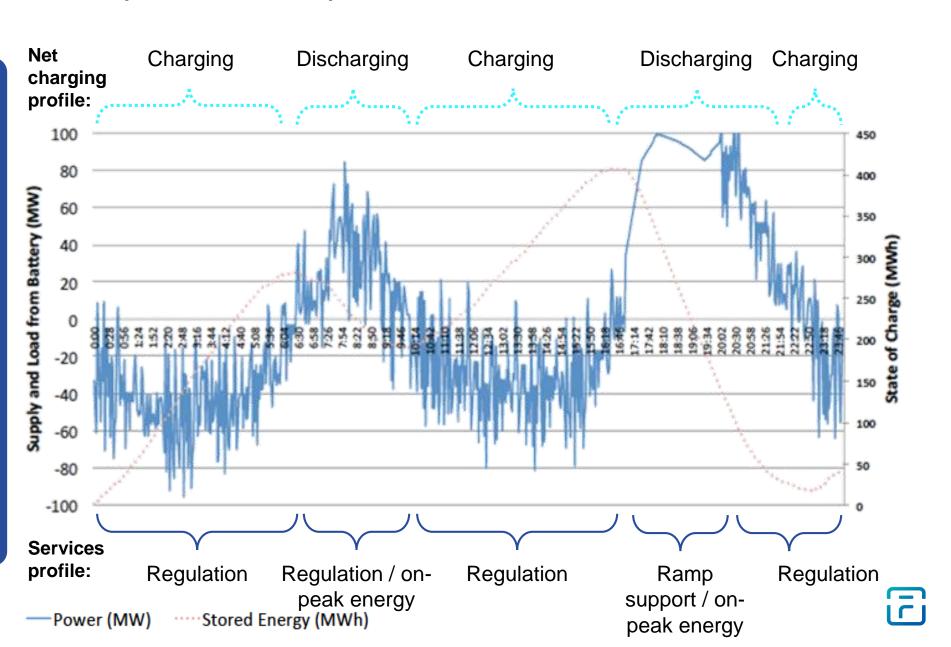
Always synchronized



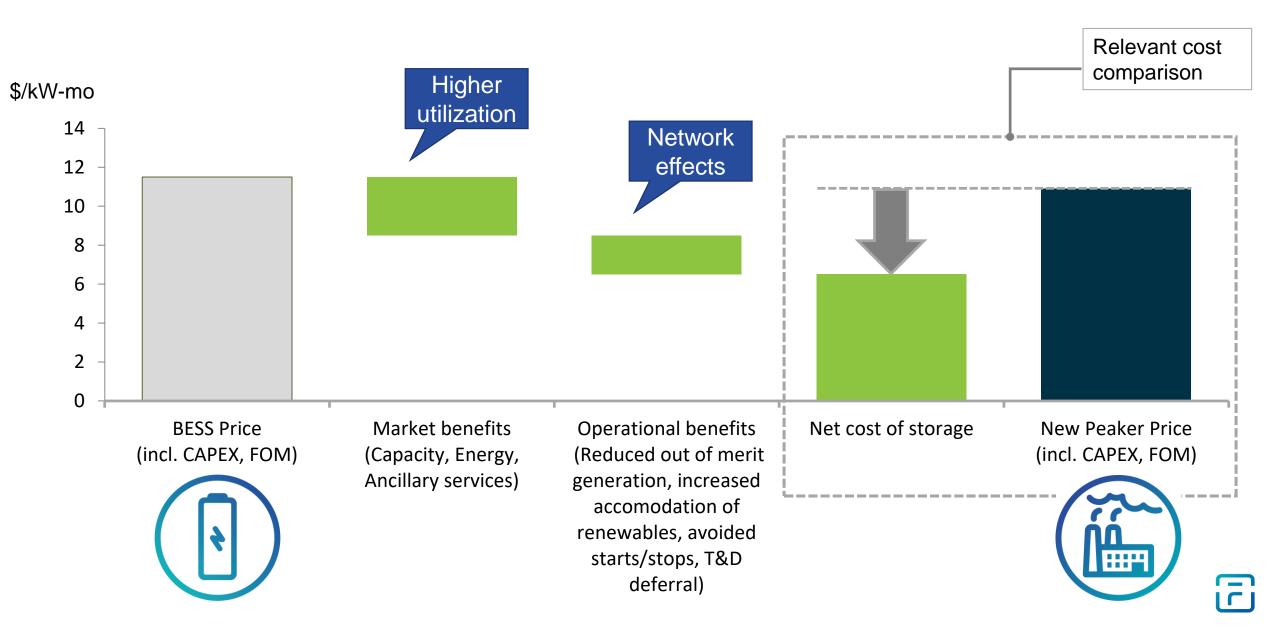
Storage is "always on" to provide multiple services

COMPOSITE DISPATCH PROFILE:

- 100 W storage array for load following / ramping
- 100 MW Regulation except HE18-20



Energy storage is a cost effective peaking resource today







Capacity Peak Power

Long Beach, California, United States 100 MW, 4-hour (400 MWh) AES Alamitos, COD Jan 1, 2021

SERVICES

- Capacity, local reliability
- Peak power/off peak mitigation
- Ancillary services

IMPACT

- Competitive bid vs thermal peaker, cost effective
- Replaces environmental retired units
- Meets flexibility (duck curve)



Thank You

James Mashal

Analyst, Market Applications

Phone: +1 (703) 721-8491

james.mashal@fluenceenergy.com

