Viridi™

CUSTOMER CASE STUDY

Pioneering Fail-Safe Distributed Energy Storage Systems

Chosen as Exclusive Provider of Fail-Safe, Carbon-Free Mobile Charging

10 portable energy storage units combined to provide over 1.5MWh of energy at Pikes Peak 2023

Viridi's energy storage system was uniquely suited to meet the challenging needs of the Pikes Peak International Hill Climb. Designed to provide energy at the point of need, the RPS150 BESS, was the solution to power EV's throughout the event.

2023 Pikes Peak Internation Hill Climb, proving ground for emerging automotive technology.

CHALLENGE

With its remote geography, rugged environment, elevation, and wide temperature fluctuations, Pikes Peak is a difficult place to provide resilient electricity. Thin air at higher altitudes means less oxygen for the combustion process in traditional vehicles, giving EVs a significant edge over their fossil-fuel powered competition.

SOLUTION

Through paralleling (a feature all Viridi BESS are capable of) 10 mobile RPS150 mobile energy storage units were combined to provide up to 1.5MWh of energy at 300kW continuous power.

RESULT

Thanks to Viridi's "fuel tank" for electric applications, it took just 20 minutes to replenish the electric car's 50 kWh ultra high-performance cell battery before making a record-setting second hill climb.

INDUSTRY
Outdoor Events

LOCATION
Pikes Peak
Manitou Springs, CO

IMPLEMENTATION

- 10 **RPS150** Energy Storage Units
- Scaled through "Paralleling"
- Combined to provide over 1.5MWh of total energy
- **ViSTA® VCom** IoT for remote monitoring of the BESS

Discover the full story—contact us now.

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