# Make the Most of Your Backup System with Span

Homeowners seeking to add resilience to their home with battery storage are often faced with a difficult decision: *Which loads do you want backed up in an outage?* Despite rapid advancements in battery technology, storage systems have limited capacity to provide whole-home backup for longer outages. **With Span, customers no longer have to make this difficult choice.**

Via the Span Home App, priority of backup circuits can be adjusted in real time during grid outages. Loads that are "Nice to Have" will automatically turn off as the battery depletes, leaving more capacity for "Must Have" loads. Span also delivers transparency to homeowners with an estimated time remaining for backup power specific to the homeowner's load priorities, battery capacity, and historical trends in the home. Looking at an example Span Home in Redwood City, California, **the average time a battery system lasted during an outage increased by 40%** when adding Span to manage backup load priority in over 90 simulated outage situations.

Span's dynamic load adjustment makes your stored kWh go much further in grid outages, and can even **prevent costly addition of extra batteries** normally needed to deliver whole-home backup.

Grid outage with and without Span

🔋🔋🔋 = **28** hrs
40.5 kWh without Span

🔋🔋 = **30** hrs
27 kWh with Span

- - - Consumption without Span   — Consumption with Span
- - - Battery energy without Span   — Battery energy with Span
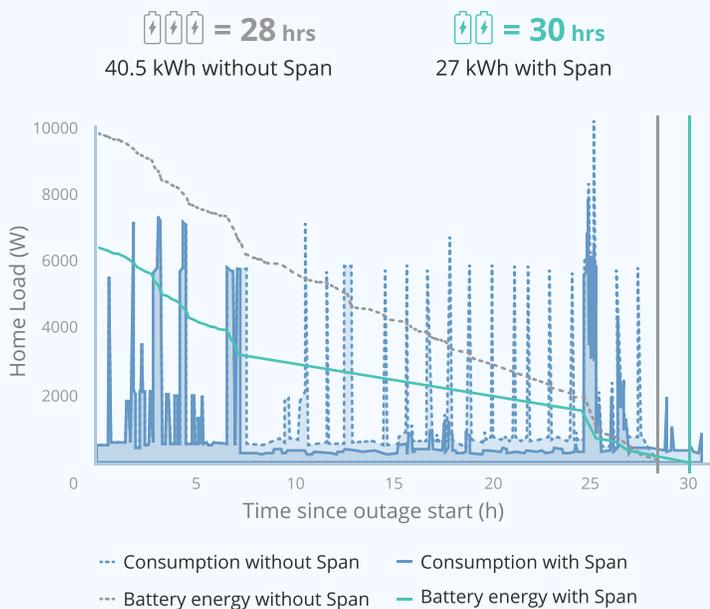
Customer priorities during outage

"Must-Have"
(Always on)

Refrigerator
Kitchen lights
Kitchen Island
Kitchen Plugs 1
Kitchen Plugs 2
Master Bedroom Lights
Master Bedroom Plugs
Hall bath plugs
Furnace
Stovetop
Oven

Garage Lights

"Nice-to-Have"
(On until battery reaches 50%)

Air conditioning
Water heater
Steam oven
Kitchen Dishwasher
Family Room Plugs
Bedroom 3 Plugs
Bedroom 3 Lights
Dining room outlets
Disposal

Hall bath toilet
Garage lights
Guest Bath Toilet
Guest Bath Floor
Heater
Bed plugs
Guest Plugs
Stereo

"Non-Essential"
(Always off)

EV Charger
Dryer
Master Bath Plugs
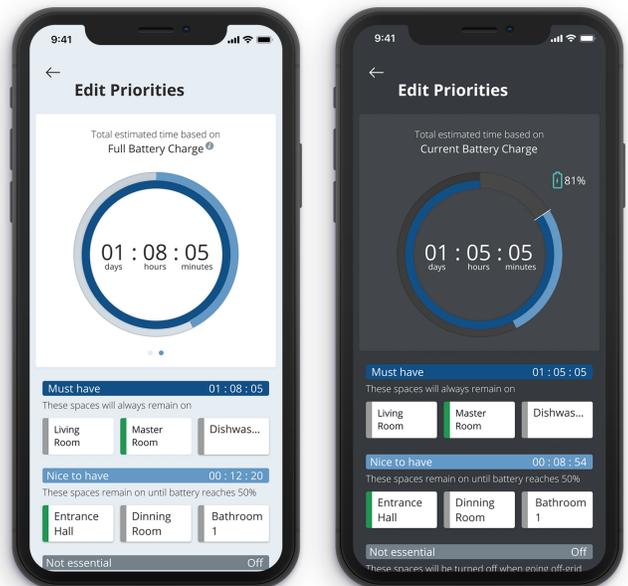
Customizable Backup Priorities

The Span Home app gives homeowners breakthrough control and visibility over home backup. Span provides customizable backup priority options, automatic load shedding during outages, and visibility over backup time remaining. Homeowners can easily update backup priorities at the circuit level choosing from Must Have, Nice to Have, or Not Essential priorities. Loads can be easily moved between categories or turned off through the Span app.

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