Home Energy Security Systems

Power You Can Count On, No Matter What

GridProof Colorado designs home energy systems for homeowners who want better outage protection, greater energy independence, and more control over how their homes use power.

Every home is different. Your system may include solar, battery storage, generator backup, smart load management, electrical upgrades, or a combination of technologies working together.

SOLAR + BATTERY BACKUP | ENERGY SECURITY | GRID FAILURE PROTECTION

Find the right level of protection for your home

01

SOLAR

Solar Power Systems

Generate More of Your Own Energy

A practical starting point to produce more electricity at home and reduce reliance on utility-supplied power.
May include: Solar panels • Inverter system • Electrical integration • Battery-ready system design
Worth knowing: Solar alone does not necessarily provide outage backup. Plan for storage and other equipment if backup is a future goal.

02

ESSENTIAL BACKUP

Solar + Essential Battery Backup

Keep the Important Parts of Your Home Running

Pair solar with battery storage and focus available backup power on the circuits and equipment that matter most.
May include: Solar • Battery storage • Essential-load backup • Transfer equipment • Selected circuits • Future battery expansion
Common priorities: Refrigeration, internet, lighting, heating or cooling, well pumps, home office equipment, medical devices, and other essential loads.

03

SMART BACKUP

Solar + Battery + Smart Load Management

More Visibility and Control

Add smart electrical controls for more flexibility over how your home uses available power.
May include: Solar • Battery storage • Smart panel • Load management • Monitoring • App controls • Custom alerts • Peak-rate management
Why it matters: See where energy is going and make better use of battery power during an outage or higher-cost utility period.

04

WHOLE-HOME

Whole-Home Solar + Battery Backup

Broader Backup for the Home

Designed for homeowners who want to protect more than a small group of essential circuits.
May include: Solar • Larger battery storage • Whole-home or broad-load backup • Load management • Monitoring • Electrical integration
Backup capability depends on household electrical demand, system capacity, equipment, and energy use during an outage.

05

GENERATOR-SUPPORTED

Solar + Battery + Generator Integration

Added Protection for Longer Outages

Batteries provide immediate backup; generator support can extend protection when stored energy runs low.
May include: Solar • Battery storage • Generator integration • Transfer equipment • Load management • Whole-home or essential-load strategies
Considerations: Fuel, maintenance, placement, and operating noise are tradeoffs with generator-supported systems.

More than solar + batteries

A GridProof system may also require electrical work behind the scenes to make everything operate safely and properly.

ELECTRICAL + ENERGY CAPABILITIES

- Electrical Panel Upgrades
- Transfer Switches
- Backup Panels
- Battery Integration
- Generator Integration
- Smart Electrical Panels
- Load Management
- Energy Monitoring
- Whole-Home Backup
- Essential-Load Backup
- Energy Arbitrage
- Peak-Rate Energy Management
- Smart System Controls
- Complete Electrical Integration

Products we install + trust

Established manufacturers across the home energy system. Selection depends on your home, compatibility, goals, availability, and overall system design. Click a logo or name to explore.

SOLAR INVERTERS	Enphase	Tesla	SolarEdge	Sol-Ark	
BATTERY STORAGE	Enphase	Tesla Powerwall	FranklinWH	SolarEdge	
SOLAR PANELS	Silfab	REC	LONGi	Panasonic	Qcells
SMART PANELS + LOAD MANAGEMENT	SPAN	Lumin	Eaton AbleEdge	Savant	
RACKING + MOUNTING	IronRidge	SnapNrack	Pegasus Solar	S-5!	K2 Systems

FIREFLY ELECTRICAL SERVICES

Built on Electrical Experience. Designed for Energy Independence.

GridProof Colorado is a premier partner of Firefly Electrical Services, bringing real residential electrical experience into home energy planning and integration.

Not sure which system fits your home?

Start with what you want your home to be able to do. You do not need to know which equipment you need. GridProof can help you understand the options and build from there.

Schedule a Free Energy Security Consultation

GridProofColorado.com/services | 720-675-1080

EXPLORE ALL OPTIONS