

Self-Supply

Maximum Savings and Security with Solar



Is it for you?

Self-supply solar energy systems utilize advance battery technology to offer maximum electric bill savings for grid-tied homes and businesses. They require a higher upfront investment than systems without batteries but offer the greatest long-term benefit. They are also capable of providing on-going back-up power to the home even during prolonged utility power outages.

Important Considerations


Self-supply systems require a location for a battery and inverter that is sheltered from the weather. The battery and solar array sizes must be designed to the unique, detailed energy characteristics of the home or business. Inadequately sized systems may result in a shorter component life and higher electric bill costs.

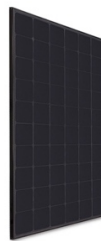
Technology

Self-supply system technology varies greatly in cost and performance. RES extensively studies and tests wide ranges of technology in order to recommend the best value options for its customers. Favorite technology of our customers includes:

Solar Panels



 **Hanwha Q CELLS**
12-year product warrant
25-year performance warranty
310 – 325 watts
>18.4% efficiency
Manufactured in South Korea



LG NeON[®]R
25-year product warranty
25-year performance warranty
355 – 360 watts
>20.5% efficiency
Manufactured in South Korea

Battery and Power Electronics



10-year warranty
Panasonic Lithium Ion battery cells
Automatic transfer switch for back-up power
Power Electronics manufactured in USA
Battery cells manufactured in Japan



Estimate Your System Cost and Savings

Average HELCO Bill



\$200 / month



\$400 / month



\$600+ / month

Average Self Supply System Cost

\$36,000

\$55,000

\$76,000+

Average Electricity Bill Savings

\$170 / month

\$340 / month

\$480+ / month

Average Tax Credits Earned

\$16,000

\$26,000

\$38,000+

Annual Return on Investment / Payback Years

10% / 10 years

14% / 7 years

14% / 7 years

[Get a Free Consultation](#)

info@renewableenergy.com | (808) 775-7410 | www.renewableenergy.com