

Solar Power System



Technical Data

SunSHIFT Module	5 SunPower E20-435
INVERTER	ABB TRIO 50kW
BLOCK	Power: 1MW
	Voltage: 11kV
	Footprint: 1 ha

THE APR ENERGY SOLAR POWER SYSTEM is the world’s first large-scale fast-track and redeployable solar power plant for on-grid or off-grid electricity generation. Unlike traditional solar power plants, this photovoltaic system is designed for easy demobilization and redeployment, making it an ideal solution for customers with short-term renewable power needs.

Enabled by state-of-the-art SunSHIFT™ technology, the system comprises rugged, pre-fabricated 2kW modules that are combined to form pre-engineered 1MW blocks. This proprietary, scalable design enables the solution to be installed anywhere in the world and operational in 90 days or less.

APR Energy’s Solar Power System is engineered for stand-alone operation or integration with APR Energy’s diesel- and gas-fueled power modules, providing customers with a turnkey, hybrid solution that combines the emission-free and low-cost benefits of renewable energy with the assurance of immediate back-up power when the sun isn’t shining. Its remotely accessible intelligent control system optimizes the output of solar power, minimizing electricity costs while ensuring energy security at all times.

Designed for easy transport and rapid installation, the plug-and-play modules contain high-efficiency panels to minimize footprint and are sized to pack in standard 20-foot ISO shipping containers. Installation of the factory-fabricated components requires minimal site equipment or labor. The portable, redeployable aspect of this solution further holds down cost to the customer, since the full value of the equipment will be captured over multiple projects.

The APR Energy Solar Power System offers unprecedented flexibility when it comes to renewable energy. Solar assets can easily be scaled, removed and redeployed, or converted to permanent installations, depending on client requirements.

Characteristics

- No fuel input**

- Zero emissions and noise**

- Fast-track deployment, demobilization and redeployment**

- Designed for easy transport and rapid installation**

- Minimal on-site construction**

- Stand-alone or hybrid solution with other power sources**

- Temporary or permanent power options**

Solar Technology partner 