



ELEGANT, FACTORY-INTEGRATED RAPID SHUTDOWN SOLUTION

YMCA ALBANY

LOCATION Albany, Oregon



CPS inverters aid my system monitoring by allowing unbalanced power output from one MPPT to another.

Peter Greenberg
NRGWise

TYPE

Rooftop solar

POWER OUTPUT

120 kW_{DC}

NRGWise Lighting owner Peter Greenberg has been installing solar at schools and community centers all around the Willamette Valley. A member of YMCA Albany, Greenberg approached the organization and assisted in procuring funding grants.

The YMCA project, completed in May 2020, satisfied two key truths that Greenberg shared with the Albany Democrat-Herald in a recent feature article, the home-based business owner's '15 minutes of fame.' Bigger projects make more sense financially. And with solar projects for nonprofits, everybody wins.

CPS PRODUCTS USED



2 - 60 kW
Inverters



AstroSmart
RSD Modules



FlexOM
Gateway



CHALLENGE

On the flat roof at YMCA Albany, CPS AstroSmart modules with Tigo electronics integrated in the junction box are subdivided across seven roof segments. Some modules face south. Some face west. The best way to monitor performance is to test inverters that are doing the same thing, preferably without adding unnecessary capital and labor costs.

SOLUTION

Since 2019, CPS SCA Series Grid-tied PV Inverters have allowed maximum power point trackers to be unbalanced. This gave the YMCA project flexibility to put separate roof segments on separate MPPTs according to module orientation, without the need to add power optimizers behind each module. Another win-win scenario for NRGWise.

TOGETHER WE'RE MAKING A
difference

Pacific Power awarded the YMCA Albany project a grant through the Blue Sky program. Through a competitive evaluation process, Blue Sky offsets capital costs for nonresidential renewable energy systems in the Pacific Power service territory.



CPS America, a subsidiary of Chint Electric, is a smart energy solution provider focused on value and performance for our customers. With over 85,000 PV inverters in the U.S. and an exceptional engineering and service team based in Texas, CPS America is ready to support your next smart energy project.