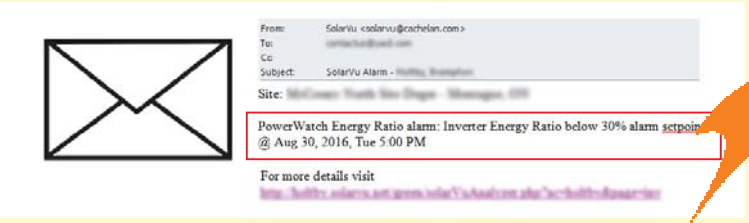
SolarVu® ENERGY PORTAL

It's Hard to Hide

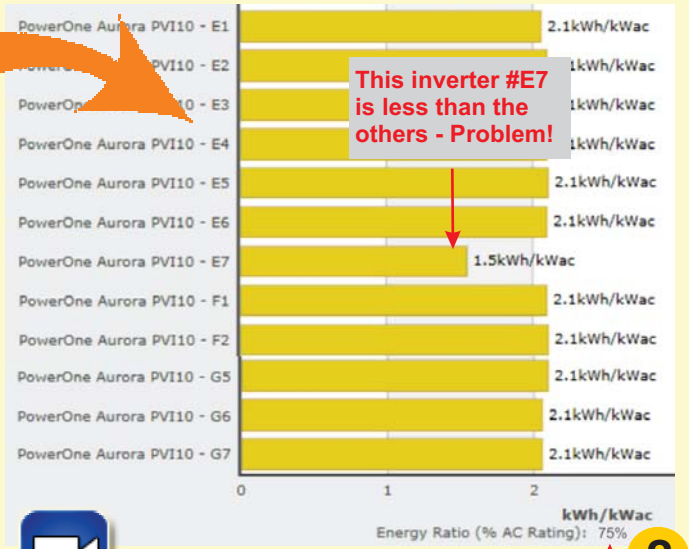
Each time a new feature is added to the SolarVu energy portal, more faults can be identified to ensure O&M staff get timely warnings of potential problems. At the end of each day, the daily energy from each inverter is compared to the others. For the same weather conditions each string inverter should produce the same output. If the daily energy output from one inverter is less that the others by a percentage set with the user adjustable energy ratio alarm setpoint, a warning email will be sent. A link to the PowerWatch daily energy graphs is included for further analysis.

The new **PowerWatch Energy Ratio Alarm** has been activated on existing SolarVu sites so all owners can immediately benefit with higher revenue from improved maintenance.

1 *Receive a Low Energy Ratio Alarm at the end of the day with a link to the energy output graph for analysis*



Low output inverters are obvious in the Energy Ratio chart. Click on the low output inverter bar to go to that inverter 30 day log to analyse inverter values.



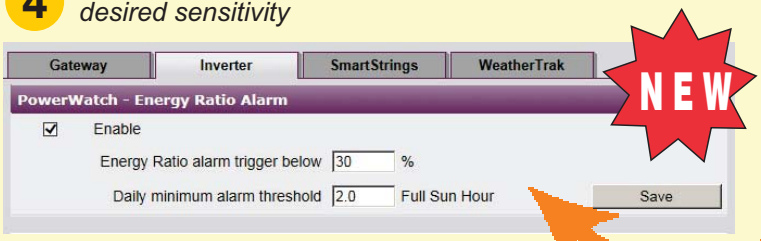
2 Low energy ratio indicates a problem

EXAMPLE

SmartGrid
IoT Cloud Technology

*Cloud technolgy allows new features like the **PowerWatch Energy Ratio Alarm** to be added to existing sites.*

4 *Adjust Energy Ratio alarm settings in SETUP to the desired sensitivity*



Inverter log shows cause of low output identified by the Energy Ratio Alarm

DC Input	Power 1	683	Voltage 1	354.9	Current 1	2.0
	Power 2	1,365	Voltage 2	355.1	Current 2	4.0

#E7-MPPT1 (50% of MPPT2)
Blown fuse, bad connection or panel.

3

Cachelan SMART GRID ENERGY

cachelan.com
905.470.8400
contactus@cachelan.com

See live sites ***SolarVu.com***

How to buy ***Get a quote***