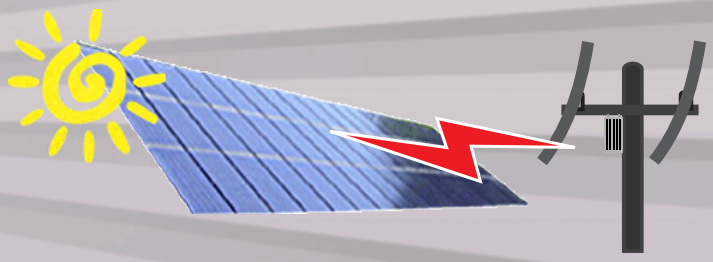
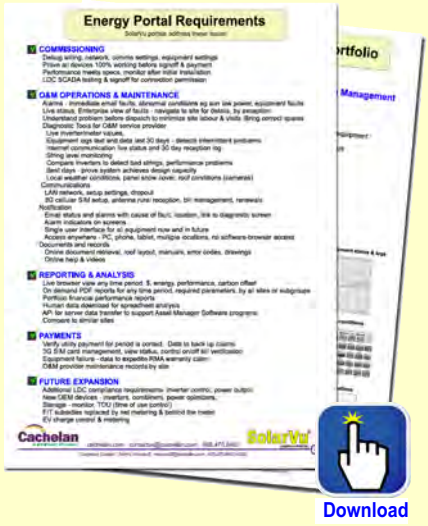
SolarVu®
ENERGY PORTAL



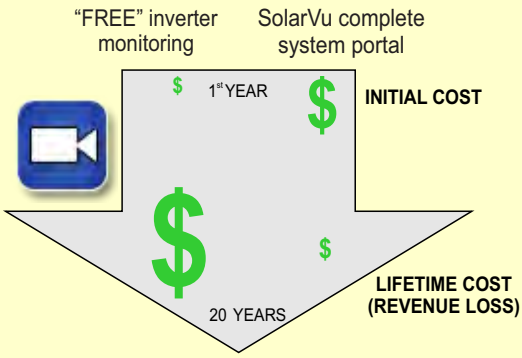
Apples and Oranges How to Choose?

When buying inverters for a solar PV system the manufacturer may offer you their free online monitoring. So why would you pay more for an independent system like SolarVu. After all, every portal will have power and energy graphs. Which choice will make you the most money by minimizing lost revenue? There are many things that can go wrong in solar PV systems exposed to harsh climate conditions. Inverters are only part of the system. SolarVu pays for itself by detecting faults with equipment and panels, providing diagnostic tools to determine what to do and generating performance reports. Advantages include: A single interface that integrates all equipment including different inverter brands, meter, camera, weather sensors with the SMART Enterprise view for multiple sites. Logs for intermittent problems. LDC SCADA interface when required. Custom asset management reports from over 30 parameters. Pre-configured portal and communications setup. For more reasons, check out our How to Choose? presentation to help you decide.

Download How to Choose? to help you make the right decision



Saving money initially can cost more over the system lifetime in lost revenue



SmartGrid
IoT Cloud Technology

So what can go wrong? A lot!

STUFF HAPPENS

COMMISSIONING
- Incorrect comms settings in inverters and BOS devices
- Serial wiring errors by electrician
- Meter CT/PT wiring errors/settings
- Router network settings
- Weak 3G cellular reception
- Wrong/missing equipment data supplied

EQUIPMENT FAILURE
- Inverter failure
- Solar panels fail
- Corroded connections
- Loose connection = overheating, fire hazard
- Equipment left off after maintenance
- BOS equipment failure weather sensors, meter, SCADA etc

ENVIRONMENT
- Combiner box water ingress
- Rodent chews through panel wires
- Lightning damages equipment
- Grid issues cause shutdown - under/over voltage
- Snow cover / dirt buildup

COMMUNICATIONS
- Loss of internet connection
  - Router/network configuration
  - Customer changes router settings
  - Router/ network failure
  - 3G SIM card disconnected non-payment
  - Weak reception in rural areas
- Equipment loss of communications
  - Faulty connection
  - Incorrect settings after replacement
  - Noisy environment, data corruption
  - Inverter design - firmware bugs

GETTING PAID
- Utility payment below expected - meter fault / accounting
- LDC SCADA problem = shutdown by LDC
- RMA for warranty claim - support data

Effective O&M reduces expensive downtime.

REVENUE LOSS FROM FAULTY EQUIPMENT

(FIT2=$0.64/kWh)

1 String 4,500kWh/yr = **$2,500/yr**
25kW inverter 31MWh/yr = **$18,000/yr** = **$1,500/mo**
200kW site shut down 1,200kWh/summer day = **$760/day**

Cachelan
SMART GRID ENERGY

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See live sites **SolarVu.com**

How to buy **Get a quote**