

Assigning a fair price to photovoltaic electricity

Introduction

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IEA PVPS basics

- One of > 40 IEA Programmes on technology co-operation
- 27 members: 23 countries, EC, EPIA, SEPA, SEIA
- Most recent member: Belgium
- Activities are carried out collaboratively on a country basis along a number of technical and nontechnical subjects
- Currently, 7 Tasks are active









Relevant PVPS issues

- Scenario work
- Market development and trends
- Policy framework
- Business models
- New technologies and applications
- Urban and rural implementation
- Large scale deployment
- Environmental aspects
- Quality and reliability
- Grid integration





IEA PVPS Tasks

- Task 1 Exchange and dissemination of information on PV power systems
- Task 2 Operational performance, maintenance and sizing of PV power systems and subsystems (concluded 2008)
- Task 3 Use of PV power systems in stand-alone and island applications (concluded 2004)
- Task 5 Grid interconnection of building integrated and other dispersed PV systems (concluded 2001)
- Task 6 Design and operation of modular PV plants for large scale power generation (concluded 1997)
- Task 7 PV power systems in the built environment (concluded 2001)
- Task 8 Very large scale PV power generation systems
- Task 9 Deployment of PV technologies: co-operation with developing countries
- Task 10 Urban Scale PV Applications (concluded 2009)
- Task 11 PV hybrid systems within mini-grids
- Task 12 PV environmental, health & safety activities
- Task 13 PV performance, quality and reliability (new 2010)
- Task 14 High-penetration of PV systems in electricity grids (new 2010)





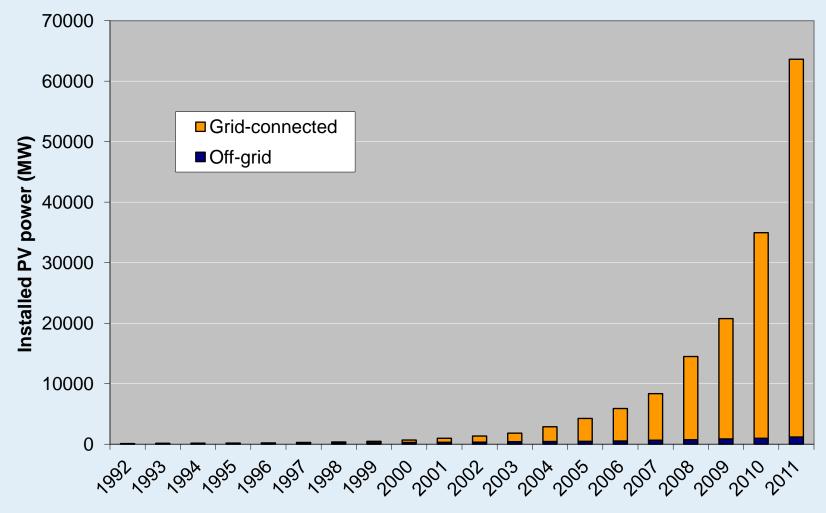
Introducing...



PVPS



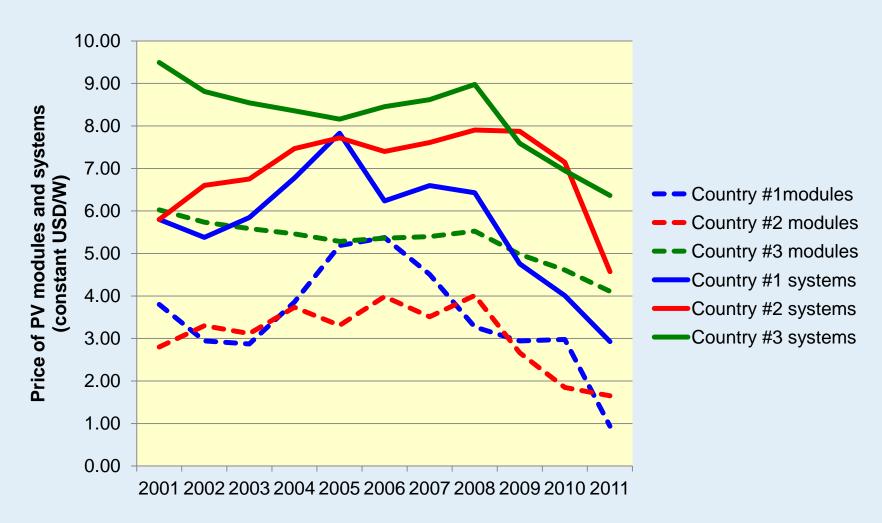
Some facts: capacity



PVPS



Some facts: prices





PVPS moving into a new term

- Market relevance
- Market transformation
- Regulatory issues / frameworks
- Business models
- Utility issues
- Sustainable markets





What is happening

- Rapid cost reduction
- Low capital costs (in some countries)
- "Grid parity" and below
- How market is affected or not
- "Unhealthy" PV module prices
- PV in the energy system





Generators are terrified of solar



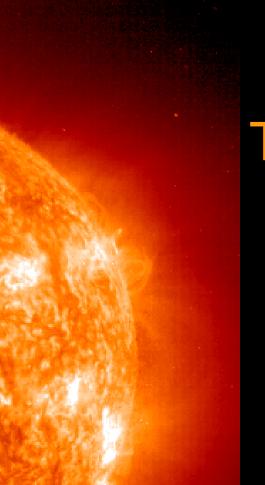
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Is there a "fair price"

- What is a fair price ?
- Is there one fair price?
- Should price reflect demand?
- FiT and post-FiT
- Opting out
- Net metering
- Self consumption
- How can a fair price be designed?





Thank you for your attention!

- http://www.iea-pvps.org
- http://www.iea.org



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