

Photovoltaic Standardisation in China

Harmonisation of Renewable Energy
and Energy Efficiency Standards in the APCSA
(APEC-CORE-SERI-ASEAN) Region

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Outline

- **China's Standardization Structure**
- **TC 90 Solar PV Energy System**
- **PV Standards: Status China / IEC**
- **TC 90 Challenges**
- **Harmonization Process of Chin. PV Stand.**
- **GTZ China Activities**

China's Standardization Structure

- National Standardization Administration Committee of China
 - National Standards
 - Professional Standards
 - Local Standards
 - Enterprise Standards
 - National Advisory Technical Documents
- TC 90 Solar Photovoltaic Energy Systems

TC 90 Solar PV Energy System

- National Solar PV Standardization Team
- China National PV System Technical Standard Committee (PVSTSC)
- Currently 4th Committee (2001-2005)

Tasks

- Propose new, periodically review and update existing standards (natl. / industry)
- Collaboration with IEC/TC 82

PV Standards: Status China / IEC

China	IEC
33 approved	13
6 in progress	8 ??
10 professional	2
4 military	--
53	23

TC 90 Challenges

- Financial support from NSAC is decreasing
- Lack of interest from manufacturer sector
- Committee membership is unbalanced

Harmonization Process of Chin. PV Standards

- Assess existing IEC / Chinese Standards
- In case there aren't any IEC standards
- If a Chinese standard is recommended for reference to, or adoption in a PVRS

Outcome

- China changed its Module Standard to correspond with IEC 61215
- Two Chin. Standards became reference standards for PQAS / PVRS 6 and 8

GTZ China Activities

- Evaluate and design a local monitoring system for RE village systems
- Testing of Charge Controllers (100 Wp)
Inverter (150 Wp) for SHS
- Comparision of existing Chin. and Intl. Standards

Thank you for your attention !

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