

Type of project: (tick off the type)	PV	Solar Thermal	Biomass to Energy		
	x				
Project name:	PV battery charging station (Demonstration project)				
Location of the plant:	Chiso Mountain, Takeo province				
Year of Implementation:	2001				
Operator: (Name and address)	Household				
Planner: (Name and address)	Staff from NEDO				
Detailed description of the installation: (technology, function, benefit for users, etc. max 150 words)	<p>6 wind and PV hybrid systems, in a village in Takeo Province in 2001 as part of a demonstration project. Each of the houses was equipped with a 400W wind turbine and 2*108Wp PV system plus battery charging equipment. The household which is equipped with this hybrid system is responsible for charging the battery from 6 other households nearby. One battery will be charged per day. So the 7 households will rotate during the week.</p> <p>A similar system was also installed nearby in a pagoda on top of Phnom Chiso, a hill which attracts tourists to visit some Angkor era ruins near the pagoda. Unfortunately it appears that none of the wind turbines are operating at the time of writing this report. The turbines in the village had been disconnected from the battery charging system because the regulators were thought to be malfunctioning.</p>				
Generated Energy service: (tick off the energy type)	electricity	Heat	Gas	Light	
	X				
Power output of installation: (kWel, m³ biogas, kW th, etc.)	6 hybrid system of 400 W wind turbines combined with 2*108 Wp PV				
Financing (tick off the financing type)	private investment	Loan	Donation	Grant	
				X	
Investment costs in US\$	6 US\$ / Wp (Current market)				
Maintanance costs in US\$	---				
Savings:	People can save from 0.1 US\$ to 0.2 US\$ for every charging of a 50 Ah battery				
Energy sale income in US\$:	0.05 US\$ per charging the battery of 50 Ah				
Comments:	---				
Pictures and grafics					

