



Figure 17.17 Photovoltaically powered purification unit at a wind powered water pump in Balde del Sur de Chucuma/Argentina (*Source:* Fraunhofer ISE, Freiburg)

re-filling battery water etc.). Therefore, involving them in the operation of the PV system, making them responsible for operation and maintenance is not only a measure to reduce the costs but also to increase their own satisfaction with the energy service provided (see Figure 17.18) [8, 20].

The users also play a decisive role in the evaluation of photovoltaic systems. They make the final decision on whether photovoltaics is a practicable and useful form of electricity generation for them. Satisfaction with the systems is – apart from economic arguments – the factor determining their further dissemination. Only contented operators will recommend this form of electricity generation to further potential users, which is certainly the most effective form of advertisement. In order to best adapt the system to