



## Remote Telecommunication

### China Mobile — Telepower in Tibet

Tibet sits in the northwest part of China which is the area posses the highest radiation and annual average sunlight is 8 hours, which is really suitable to use PV system for supply stable and power to facilities. Tibet Mobile took the geographical advantage to use solar system to provide the stable and reliable power in this highest place, which achieved providing excellent wireless services for large number of Tibet mobile customer.

This solar system undertaken by BP Sunoasis is widely applied in Tibet area including Lhasa area, Ali area, Changdu area, Naqu area and Sannan area. It is proved by practice that solar system is optimum choice replacing grid power in remote area.

In the first stage of construction of telecommunication station, it is supplied that 73 sets of solar system which solve the power supply problems for facilities in telecommunication stations of most Tibet area. Solar systems worked very well which meet the needs of requirement of continuous power supply to facilities 24 hours.

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### Location:

Lhasa ,Ali ,Changdu area,Naqu area,Sannan area

### Customer:

China Mobile, Tibet Mobile

### Projection Completion:

November 2006

### Project Size:

- Size of single station: 6.9KW
- Number of station in first stage: 73

### System Components:

- 92×REW375 of high efficient solar panels
- 48×GFM-600 lead battery
- Outdoor battery box
- 48V/180Asolarregulator, Class IP65,installation outdoor/indoor
- 800VA/48V Inverter

### Highlight:

Tibet area is located in highland which increases the difficulty of construction. It is challenge that guarantee system works normally in the situation of high altitude, low temperature and extreme large difference in temperature. System designer and relevant expert and components supplier worked together to guarantee the systems security and achieved that solar system works in the worst condition in the world. We conquer lots of difficulties to finish installation on time and obtain the good reputation.

