

## OPERATING INSTRUCTIONS **SWISS**SOLARCARD

Thank you for purchasing the **SWISS**SOLARCARD. Never before a mobile solar charger was more rugged and easier to handle. If used properly, the SolarCard will be your companion for many years.

### **1. The SolarCard is flexible**

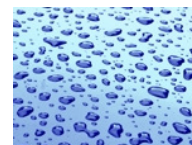
The laminated thin film solar cells are break-proof (without glass) and can be slightly bent.

**Attention:** Too strongly bending or folding will rupture the modular layer and may cause output losses or even destroy the SolarCard.



### **2. The SolarCard is weatherproof**

The **SWISS**SOLARCARD is designed for hard outdoor operation. It is waterproof and will survive any weather between -40°C and +60°C.



### **3. Maintenance and cleaning**

The dark blue front of the panel should be kept as clean and dust free as possible. Cleaning is preferably done with water and soap. Never use abrasive detergents (scratches) or corrosive cleaners.



### **4. Energy efficiency / performance**

The highest energy efficiency is achieved with the SolarCard if its front side is directly aimed at the sun. With full sunshine the charging current is comparable with the performance of an AC Adapter. A mobile phone battery is accordingly charged in 3-6 hours. Without sunshine and during the night the SolarCard should be separated from the device attached.



### **5. Problems with charging**

A few types of mobile phones need a very high charging current at the beginning (Jump Start) or do not accept voltage fluctuation. In this case a PowerTank must be used together with the SolarCard (see point 6.)

### **6. Optional accessory Mobile PowerTanks**

The ideal complement for the SolarCard. These PowerTanks accumulate all energy produced by the SolarCard which is not immediately needed and supply this current on demand, also at night. A powerful LED light makes it suitable as a torch.



### **7. Optional accessory battery charger**

Many devices like GPS, CD player, torches etc. can be operated with rechargeable batteries. Used with the Solarcard in combination with the Powertank XL the Swisscharger recharge AA or AAA size rechargeable batteries



### **8. Optional accessory adapter plug**

With the manifold of available adapter plugs the **SWISS**SOLARCARD can be used with hundreds of different mobile phones, MP3 players, iPods / iPhones, GPS navigation systems, etc.

