

ENERGY SAVING DC-DEVICES

Delivered by:



Why should you use energy saving DC-devices?

If you want to rely partly or completely on renewable energy you first have to **reduce your energy load!** This will reduce the costs for your solar or wind system dramatically. To achieve this we offer low-consumption devices. As all of them have been sold many times all over the world their quality is highly reliable. This and the low energy consumption justifies the far higher purchase price.

Steca LED lamps perform well in applications which demand long operation times in the low watt range. With 100.000 hours lifetime, LED lamps could last for more than 11 years by illuminating 24 h/d. Today's LED's have a higher light conversion efficiency than halogene lights.

Extrem low energy consumption of 0,35 W or 0,7 W.



Steca Solsum ESL / ESL Globe



Steca designed and recently improved the electronic ballast of the **12 V DC compact fluorescent lamp (CFL)**. Preheating, high electronic efficiency and low thermal losses increase the lifetime of the CFL to more than 100.000 on / off switching cycles. The Steca CFLs show much higher lumen efficiencies (lm/W) compared to LED or incandescent lamps.

The **Phaesun Ceiling Fans** are high efficiency DC ceiling fans. Thanks to a thermal bridge concept the Phaesun ceiling fan for direct current outclasses AC fans by a factor of 4 to 6 in consumption and competing DC fans by more than a factor 2 when comparing the same air performance in the medium speed range. It is possible to use the Phaesun DC Ceiling Fans in 12 and 24 VDC systems and perfectly fit to these systems because of their low power consumption.



The **SunDanzer Frigerator&Freezer** is a highly efficient cooling unit with exceptionally low energy consumption. It outclasses AC fridges by factor 4 to 5 in consumption. SunDanzer units are available with 165 l or 225 l gross capacity. The brushless DC motor compressor operates on 12 or 24 VDC. A patented low-frost system reduces frost build-up for low maintenance. With thick insulation and a refrigeration system optimized for solar, SunDanzer refrigerators and freezers provide outstanding economical and reliable operation. SunDanzer cabinets are commercially produced by one of the world's leading appliance manufacturers.

