## Project no. 341-008

## Phase III: Solar cells and LEDs - 100 % self-sufficient post top project

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A combination of PV cells, LED light sources, intelligent electronics and a newly developed inverter paves the way for designing and manufacturing a functional model of a new post top project for outdoor lighting. It is, during the summer months, to produce a surplus of electricity to offset its additional consumption during the winter. The concept will be elaborated in the run-up to COP15 with several designs.

## **Project status:**

Market research has been carried out into solar cell lighting, analysis and concept work has been prepared for solar cell lighting with regard to primary energy considerations, and a new LED light designed in Denmark has been modified for integration of solar cells in the top.

This initial demo product will be exhibited at COP15, and an inverter for the concept will be developed over the first few months of 2010.

## **Anticipated final project results:**

We are planning to test demo lights in spring 2010, and with the completion of development of a small new inverter at the same time, we will have a basis for a broad application of the concept in future park lights in DK and nearby markets.



