Home Battery Charger

Let the sun charge your household battery

Most basic solar energy system

The Home Battery Charger is the most basic and thereby most affordable solar energy system for households.

It has been designed to directly charge the lead-acid battery, which households use to power electric lights, television, and other appliances.

With the Home Battery Charger, the end-user no longer needs to make his weekly tiresome, time consuming and expensive trips to a battery charging station: he can let the sun charge the household battery.

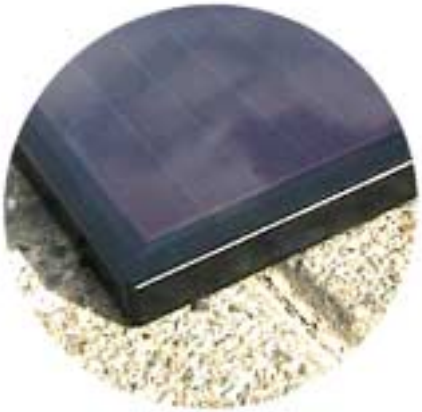
Complete package

The Home Battery Charger comes in a complete package that includes a 14Watt solar panel, reverse current protection, fuse, and 5meter cable with battery clamps.

The solar panel can easily be installed on the roof, after which the end-user just has to connect the cable to his battery to start using it.

Reliable technology

The Home Battery Charger is based on 4th generation a-Si solar technology. With our stable cell technology and advanced framing to protect against corrosion, the expected lifetime of these 4th generation a-Si solar panels is



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Components

Component	*Home Battery Charger*
Solar panel	1 x FEE-14-12 (14 Watt-peak*), 4th generation a-Si technology
Protection	Blocking diode 1N4007
Fuse	10 Amp
Module cable	5 meters double insulated cable 2x0.75 mm^2 with battery clamps
Other	Individual packaging with user's instructions

**Electrical data refer to standard test conditions . The rated electrical parameters may vary ± 10%.*

To be added by end-user (not included)

Component	
Lead acid battery	12 Volts, 30 Ah (suggested) 12 Volts 30-105 Ah (possible)
Lights	DC12 Volts PL or TL lights, 5-7 Watts (suggested)
Television	DC12 Volts black and white, 12-16 Watts (suggested)

Available energy services

On an average sunny day, enough solar energy will be generated for*:

System use	*Tube light 6 Watts*	*Tube light 10 Watts*	*Television 12 Watts*
6W Light only	8 hours		
10W Light only		5 hours	
Television only			4 hours
Mixed use	4 hours		2 hours

** at 6 hours of full sun equivalent, i.e. 6 kWh/m^2, assuming 66% performance ratio.*