

Now
370
Wp

Say Hello!

...to efficient solar charging



 For lithium
or lead-acid batteries

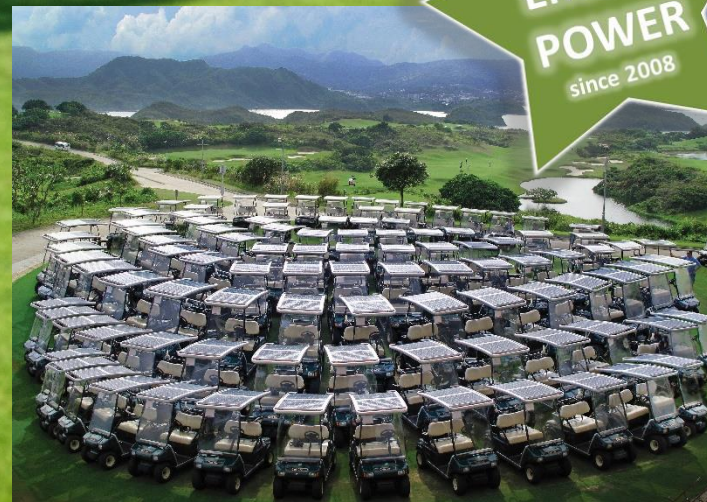
www.solardrive.com



Designed and Developed in Denmark by



Endless
POWER
since 2008



Complete Solar Power System for your electric car



The new S6F

The new SolarDrive S6F fits perfectly on top of your car

You will get:

- ★ CO₂ emission-free charging and driving
- ★ Extended range
- ★ Longer battery life
- ★ Savings on electricity bills
- ★ Easy installation and care
- ★ Attractive Return on Investment

How does that sound?

Check the following pages, visit our website www.solardrive.com and learn more about the evidence and read the statements from our many positively surprised customers.



CO₂ Emission Free Charging and Driving



CO₂ reduction: 1 S6F = 4 - 25 trees

A typical electric golf car powered by SolarDrive S6F will save electricity equivalent to 150-200 kg or 300-500 lb. of CO₂ annually.*

We would have to plant up to 25 trees to achieve the same level of CO₂ reduction.**

In other words, a golf club with a fleet of 80 cars would have to establish a small forest consisting of up to 2000 trees covering several acres to achieve the same carbon emission savings that can be achieved through equipping the fleet with the SolarDrive S6F.

Fortunately, one does not preclude the other 😊

* For more accurate calculations please request a SolarDrive Impact Chart for your specific location

** Depending on climate zone, soil character and tree sort the typical CO₂ sequestration amounts to 20 - 80 lb. per tree per year. Ref.: www.carbonfootprint.com/plantingtrees, www.fs.fed.us/ccrc/topics/urban-forests (calculator)

*** The expected CO₂ payback time for silicon based solar systems is 1 - 3 years depending on place of deployment. Expected lifetime for silicon solar panels are typically exceeding 25 years. Ref.: Emissions from Photovoltaic Life Cycles, Environmental Science & Technology, Vol 42. no. 6.



New Solar Cell Technology



The new S6F 370
with MWT



Main improvements:

- ✓ Increased power production
- ✓ Reduced weight
- ✓ Improved impact resistance
- ✓ Reduced loss from dirt or shades
- ✓ Extended life

The standard S6F kit featuring SolarDrive's universal mounting system will fit a 2 and 4 passenger car and supply up to **370 Wp** solar power. For longer 6 and 8 passenger cars we provide systems up to **740 Wp**.

The MPPT charge controller is optimized for 48 or 60 V lithium or lead-acid battery packages.



MPPT Enhanced Power

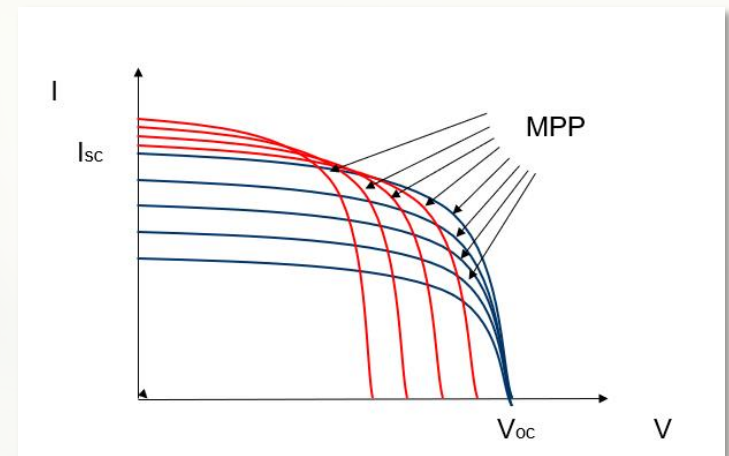
10 -30%
boost



With a moving solar system, adapting to changing conditions quickly becomes important. SolarDrive's MPPT technology ensures maximum power production in all situations.

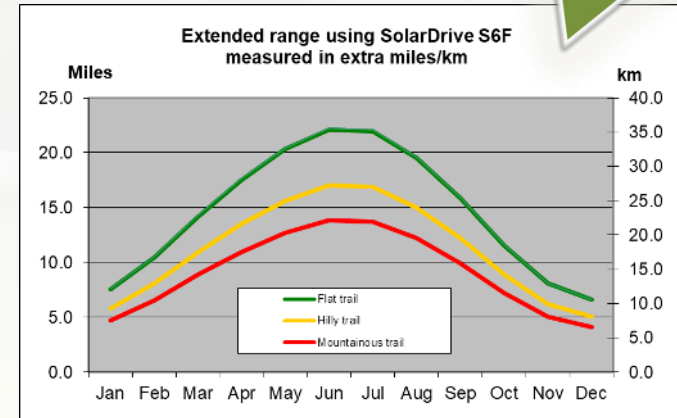
Clouds, shades, sun angle, temperatures all affect the potential power from the PV.

The MPPT algorithm efficiently controls the balance between voltage and amperage to unleash the full potential from the PV at any time, gaining 10-30% extra power.



Extended Range

Up to
40 km
extra

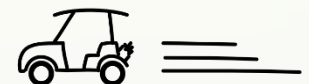


The S6F solar system will make your car drive longer and allow your batteries to remain at a higher state of charge – or both.

The achieved range extension depends on various factors like location, time of year, actual weather conditions, driving style, tire pressure, driving surface, battery and drive chain maintenance, car weight etc.

Just ask us! Based on NASA weather databases, general consumption statistics and a few data from you, we can calculate the estimated gain from the S6F, whether it is extra miles, extra holes on your favorite golf course or as a percentage of total consumption.

(the chart above shows an example from Spain)



Highly Efficient and Reliable

2 year
warranty



**The solid build quality allows us
to offer a 2-year warranty on all parts**

Ultra-thin silicon wafers with conductive copper foil at the back protect from power loss caused by microcracks.

The strong polymer lamination enclosing the solar cells is extremely durable and allows better light penetration compared to glass.

The S6F system features highly efficient back contact solar cells enclosed in advanced organic polymer encapsulation materials.

As an environmental benefit, the unique MWT technology used for the solar panel eliminates the use of lead.



Lead-free 

Low weight

16 kg
all included

In contrast to the usual tempered glass in standard solar panels, the solar cells in the S6F system have been manufactured in a strong and protective polymer lamination.

The weight reduction of the solar panel itself is 75 % compared to glass! Combined with the light aluminum frame, the S6F only represents 16 kg (35 lb.) including controller, wires and accessories.



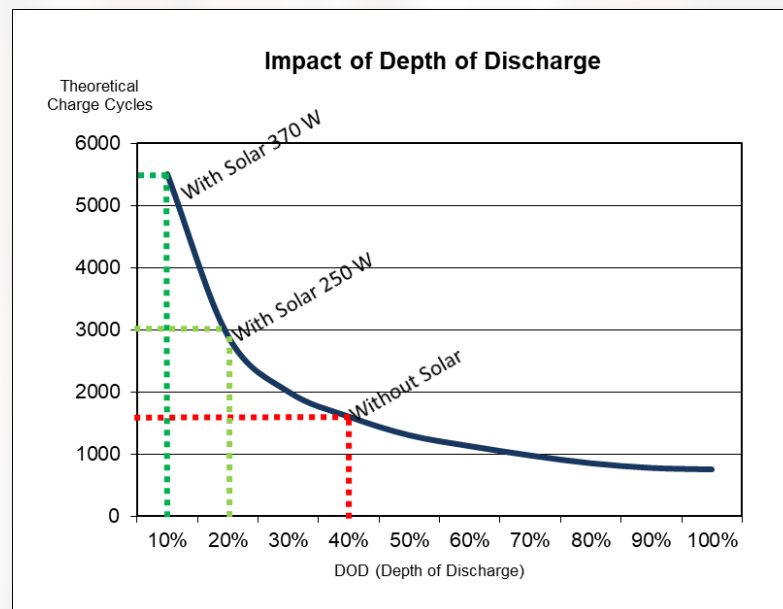
Extended Battery Life

Battery
savings

Charge while driving

Especially lead-acid batteries show an exponential relation between "Depth of Discharge" and number of Life Cycles (charge cycles) as illustrated in the chart below.

The SolarDrive S6F solar system will help prevent deep discharges. Opposed to the normal grid charger, the solar system will **charge batteries during the drive**. The more solar power, the more positive effect on battery life.



Universal Mounting System



As always, the SolarDrive system comes **preassembled** and the adjustable mounting system and simple electrical connection makes installation on almost any car an easy job.



Attractive Return On Investment



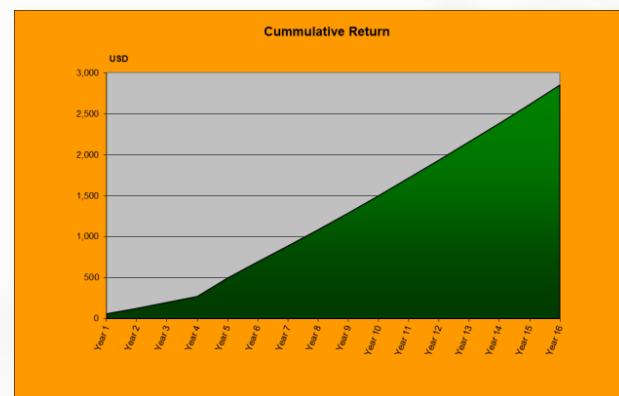
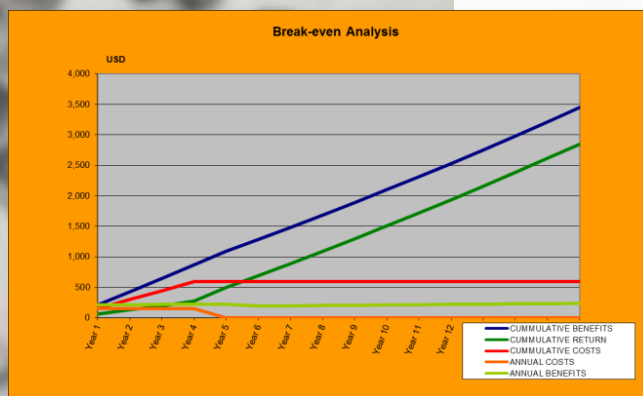
Potential Profit

Due to the limited investment and almost zero maintenance cost, the S6F system in general offers a very attractive return on investment.

To assess how the economy will look in your case, SolarDrive can provide a comprehensive **ROI** calculation sheet based on 18 variables adjusted to the specific situation.

The calculation sheet will indicate when break-even will occur as well as predict the total ROI, or ROI as an annual rate.

After reaching break-even, the system will continue to make money for many years - **to the benefit of the environment and your wallet!**





Recommendations



Here are a couple of testimonials, among many, from our customers – all based on the old S2F 200 Wp system:

NEW YORK - Michael Pascucci, owner of the Sebonack Golf Club in Southhampton, N.Y.:
"...It was amazing to me that even on hazy days the car's (energy capacity) stayed full...the SolarDrive system is a major industry innovation."

PERTH, AUSTRALIA - General Manager Wayne Carroll at The Joondalup Country Club & Golf Resort: We drove 180 km in a Club Car Turf 252 using only solar power.

HONG KONG - Cameron Halliday, General Manager of the Jockey Club Kau Sai Chau Public Golf Course: "We searched extensively and are confident that in SolarDrive we have found the best performing, solar solution for golf cars on the market."

HONG KONG - Charles Regan, Golfer: "I think many golf courses should adopt the same thing. They're fantastic!"

NEW YORK - (New York Times) Mark Hissey, Vicepresident Sebonack Golf Club, New York: "...it's true, these carts never run out of juice."

NEW YORK - (New York Times) Mark Hissey, Vicepresident Sebonack Golf Club, New York: "They've been fantastic...We couldn't be happier. They look great, and the members have been very pleased."

FLORIDA - Ernie Els (one good golf player): "To be honest, I just don't see any downside. With SolarDrive technology such as this, everyone benefits including the environment."

HONG KONG - William Yiu, Exec. Dir., Hong Kong Jockey Club: "...having less recharge every night, the battery actually runs a lot longer, so from that perspective it's actually commercially viable."

DUBAI - Brian Goudie, General Manager, Hydroturf: "We are incredibly excited about this product..."

HONG KONG - David Powers, Golfer: "Many more steps like this would be wonderful"



If you don't have a car already...

The full
monty!



SolarDrive collaborates closely with

FTR

Our **North American Master Distributor**, Canadian **FTR Golf** supplies a range of high quality, lithium LiFePO4 electric golf cars equipped with SolarDrive S6F from factory.

**Driving under the sun can't be
much greener or more satisfying!**

Interested in a full solar powered car?
Visit FTR at www.ftrgolf.com

Call
today!

Why is SolarDrive the industry leader?

SolarDrive is a global company with
engineering and design in Denmark
Our products are manufactured in
USA, Europe and Asia for excellence
and reliability.

SolarDrive is recognized for superior
design and state-of-the-art technology

SolarDrive systems fit perfectly on most car brands and
versions making CO₂ free driving obtainable for everyone.

SolarDrive has a global distribution network.

SolarDrive equipped fleets are operating
successfully at prestigious locations
across the Americas, Europe, Asia,
Australia and the Pacific.



Distributor:

www.solardrive.com

sales@solardrive.com

info@solardrive.com

+45 4068 0916

DENMARK