



Solarlink GmbH, Drangstedter Str. 37, D 27624 Bad Bederkesa GERMANY

e-mail: [info@solarlink.de](mailto:info@solarlink.de)

web: [www.solarlink.de](http://www.solarlink.de)

Technical Data Sheet

# Foldable Solar Charger - PowerFilm F15 - 1800 (30 Watt)

Ultra Lightweight – Weighs only 1.3 lbs.



**Description**

The PowerFilm® Foldable Solar Chargers are extremely lightweight and compact. They are designed for users who need lightweight portable and remote power for laptops, cell phones, satellite phones, GPS units, and other devices and systems. For carrying, these chargers are folded into a small size that can easily be stowed in a backpack or laptop bag.

The PowerFilm® Foldable Solar Chargers can be used in 3 easy ways:

- Charge Wireless Electronics (with 12V Female Cigarette Lighter Adapter accessory)
- Charge or Direct Power 12V Systems
- Charge Many Lithium, NiCad, or NiMH Batteries (with Battery Charger Pack accessory)

**Applications**

- Charge laptop, cell phone, satellite phone, GPS unit.
- Power for remote sensors.
- Water purification systems.
- Charge 12V battery systems.

**Benefits**

- Ultra lightweight for extended missions.
- Ultra compact to fit in backpack or laptop bag.
- Performs well in diverse environments, including hot, and cloudy environments.

**Features**

- UV resistant / Weather resistant.
- Reverse blocking diode.
- Rugged construction.
- Complete with cigarette lighter adapter.
- Daisy chain multiple units for additional power.
- 1 Year Warranty.

**Electrical Specifications**

Rated Power (Pmax)	30 Watts
Operating Voltage (Vmp)	15.4 Volts
Operating Current (Imp)	1.8 Amps

**Size and Weight**

Weight		
Weight, lb (kg)	1.3	(0.6)
Power to weight ratio, W/lb (W/kg)	23	(51)
Folded		
Length, in (mm)	10.5	(267)
Width, in (mm)	9.3	(235)
Thickness, in (mm)	0.75	(19)
Unfolded		
Length, in (mm)	41.5	(1054)
Width, in (mm)	30.5	(775)
Thickness, in (mm)	0.06	(1.5)



\*Operating Voltage and Operating Current at AM1.5. Power performance may vary +/- 10% due to temperature variation, spectral variation, and related effects.