

## PowerDrive C3-48F283VT : 165W Golf Cart Solar Panel by Powerfilm



Price: CAD \$1,749.00

**SKU:** PF-PowerDrive-C3-48F28.3VT-GEN

**Product Categories:** [On The Road](#), [Portable / Luggable](#), [Shop](#), [Solar Modules](#)

**Product Tags:** [C3-48F28.3VT](#), [canada](#), [car](#), [golf](#), [golf cart](#), [PowerDrive](#), [PowerDrive C3-48F28.3VT](#), [PowerDrive C3-48F28.3VT canada](#), [Powerfilm C3-48F28.3VT](#), [roof](#), [solar](#)

**Product Page:**

<https://www.modernoutpost.com/product/powerdrive-c3-48f283vt-165w-golf-cart-solar-panel-by-powerfilm/>

### Product Summary

This is the PowerDrive C3-48F28.3VT. Its a high-end 165W monocrystalline solar module built by Powerfilm and designed to fit most golf cars. Golf Car Solar Panels charge your golf car's batteries, helping you drive farther and keep your batteries

longer.

## Product Description

This is the PowerDrive C3-48F28.3VT generic model. Its a high-end 165W monocrystalline solar module built by Powerfilm and designed to fit most Golf Carts. Golf Car Solar Panels charge your golf car's batteries, helping you drive farther and keep your batteries longer.

This panel is designed to fit most golf cart models.

\* Charge controller (sold separately) required to charge batteries safely from the solar panel.

What's Included with the  
PowerDrive C3-48F28.3VT

165W PowerDrive Golf Car Solar Panel (C3-48F28.3VT)

Self-tapping snaps

Extension cable

Installation instructions

Benefits

Extended Battery Life

Our studies show that the number of battery cycles can be extended up to 50 percent compared to golf cars without PowerDrive.

Good For The Environment

On average, a PowerDrive Golf Car Solar Panel creates enough electricity per year to offset over 250 pounds of carbon dioxide production.

## Increase Driving Range

On a typical sunny day, a PowerDrive panel increases driving range by 50 percent, giving you confidence that cars make it back to the clubhouse after a long day.

## Lower Charging Costs

PowerDrive creates and feeds electricity into golf car batteries during daylight, even in low light, saving an estimated 20 percent in yearly electrical costs.

## Easy Installation

Weighs in at less than ten pounds and installs quickly, with no special tools.

## PowerDrive C3-48F28.3VT Specifications

### **Electrical Characteristics**

Wattage : 165W

Rated Voltage at Pmax : 28.3V

Rated Current at Pmax : 5.7A

Open Circuit Voltage : 34.2V

Short Circuit Current : 6.1A

### **Thermal Characteristics**

Temperature Coefficient for Power : - 0.200 (%/C)

Temperature Coefficient for Voltage : - 0.240 (%/C)

Temperature Coefficient for Voc : - 0.300 (%/C)

Temperature Coefficient for Isc : 0.109 (%/C)

### **Physical Characteristics**

Part Number C3-48F28.3VT

Dimensions : 48.0 x 36.0 inches / 1,219.2 x 914.4 mm

Weight : 9.0 lbs / 4.1 kg

Warranty : 1-Year product / 3-Years Power Output

### **Certifications**

- CE
- RoHS
- MIL-STD-810G
- Berry Amendment Compliance

Downloads

[Spec Sheet](#) [Instructions](#) [FAQ's](#)

Who Is Powerfilm?

PowerFilm specializes in designing, engineering, manufacturing, and assembly of custom solar solutions. A US-based company with over 200 staff years of technical expertise, PowerFilm delivers innovative remote, portable power solutions to meet client needs.

PowerFilm's proprietary manufacturing provides custom amorphous silicon panels that work in any light environment, including the indoor, industrial lighting of many IoT sensor applications.

Celebrating thirty years in business, PowerFilm is proud to be one of the few US-based solar manufacturing companies operating today.

## **Solar Expertise**

A global leader in proprietary, custom manufacturing flexible amorphous silicon (a-Si) material. PowerFilm provides solutions from uW to kW, from panels an inch square to yards square.

Custom design and assembly of semi-flexible crystalline silicon (c-Si) solutions, from 18W to 300W+, leveraging the advantages of full-cell assemblies with integrated charge controllers.

Experience with R&D and assembly of GaAs technologies.

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## **Technical Expertise**

Industry-leading designs and solar solutions across multiple technologies and countless applications.

Dedicated staff-level expertise in EE and ME design, prototyping, and manufacturing.

Recognized, ongoing partner in many US government R&D initiatives.

Experienced with a wide range of laminates, adhesives, substrates, and interconnect options.

Complementary electronics expertise, including recommendations and sourcing of various battery capacities and chemistry, custom-built and off-the-shelf charge controllers, energy harvesting PMIC recommendations, connectors, and cabling.

## **Business Expertise**

30+ years as a US-based company designing, engineering, manufacturing, distributing, supporting, and improving solar technology and custom solutions.

US-based facility, including all design, engineering, production, and customer support.

Serving remote, portable energy needs across government, industrial, commercial, and consumer markets.

## **Product Attributes**

- Dimensions: 122 &times; 92 &times; 2 cm

- Weight: 4.1 kg