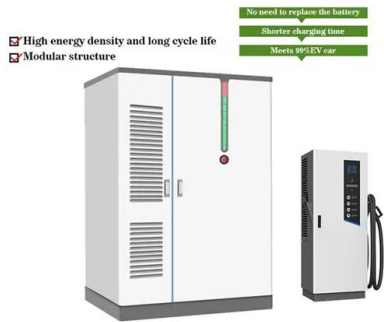


European Solar and Energy Storage Solutions

Norway solar frontier sf175 s



Norway solar frontier sf175 s



?????????? SF175-S , ?????? 2157

????????????????(?????????)????????????sf175-s????? ???

Product Overview SF145-S SF150-S SF155-S SF160-S

W/m² irradiance, air temperature 20 °C, wind speed 1 m/s and open circuit condition. Efficiency reduction of maximum power from an irradiance of 1,000 W/m² to 200 W/m² at 25 °C is typically 2.0 %.



Solar Frontier Europe GmbH Product Data Sheet SF155-S

Solar Frontier K.K. Daiba Frontier Building 2-3-2 Daiba, Minato-ku Tokyo 135-8074 Japan Tel: +81 3 5531 5626 Americas Solar Frontier Americas Inc. 3945 Freedom Circle Santa Clara, CA 95054 USA Tel: +1 408 916 4150 Europe Solar Frontier Europe GmbH Bavariafilmplatz 8 82031 Grünwald bei München Germany Tel: +49 89 92 86 142 0 Italy Solar

Product Data Sheet

SAB12-0673_01_Product_Data_Sheet_SF175-S

SF175 Contact Solar Frontier K.K. Address: 2-3-2 Daiba, Minato-ward Tokyo, 135-8074 JAPAN
 Email: info@solarfrontier .jp Website:
 Certifications IEC 61646 / IEC 61730(JET/TUV)
 UL1703(UL) ISO 9001 RoHS Compliant Product
 Data Sheet -S.

LFP12V100



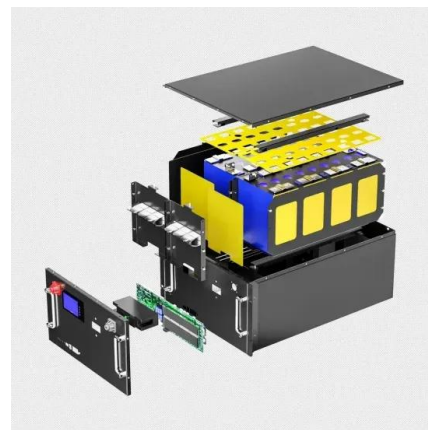
SF150-S SF155-S SF160-S SF165-S SF170-S Module in

SF175-S Keine Mikrorisse Kein Cadmium, kein Blei Salznebel- Beständigkeit Kein PID Keine Hotspots Ammoniak- Beständigkeit Robuster Aufbau (Glas/Glas/Folie) Das Urheberrecht für alle in diesem Datenblatt beschriebenen Produkte liegt bei Solar Frontier. Solar Frontier behält sich das Recht vor, den Inhalt jederzeit zu ändern



Data Sheet and Installation and Maintenance Manual

SF140-S SF145-S SF150-S SF155-S SF160-S SF165-S SF170-S Nominal power Pmax 140 W 145 W 150 W 155 W 160 W 165 W 170 W Power tolerance +5 W / 0 W Open circuit voltage Voc 107.0 V 107.0 V 108.0 V 109.0 V 110.0 V 110.0 V 112.0 V Short circuit current Isc 2.10 A 2.20 A 2.20 A 2.20 A 2.20 A



Solar Frontier K.K. Installation and Maintenance Manual

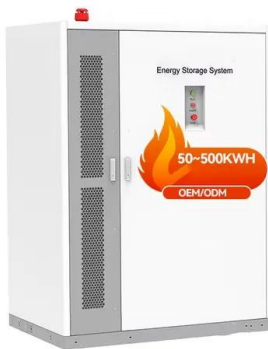
At Solar Frontier, we look forward to providing you the highest standards in solar energy performance and customer service. The following manual contains vital information on handling,



installing, wiring, operating and maintaining SF PV modules,

CIS ?????????????? SF170-S

sab12-0514_02_cis ??????????????_sf170-s 1
 sf170-s 170w cis ?????????????? 1. ????? 1.1
 ??????????????*1 ?????????????*2 13.8 % ?????????*3 16.2
 % ?? *1



**Solar Frontier Europe GmbH
 Product Data Sheet SF170-S**

vided only based on a limited warranty certificate separately issued by Solar Frontier. See the Installation and Maintenance Guide or contact the Technical Service for further information on approved installation and use of this product. (7) 20 1,257±2 431.5±5 440±5 31±1 225 225 31±1 30 12 13.5

**Solar Frontier SF175-S 175
 Watt Solar Panel Module**

The Solar Frontier SF175-S 175 Watt Solar Panel Module has a maximum output of 175 watts. Efficiency is an important thing to look at when comparing solar panels, since it affects how much power can be captured from the sun.



**???????????? SF175-S , ??????
2157**

?:SF175-S ??:175W ??:114V ??:2.20A
 ??????:89.5V ??????:1.96A
 ??:(W×D×H(mm)):977*1257*35 ??:20.0kg
 ???????????? ?????? : 2020? 12 ?20 ?

Product Data Sheet SF175-S

Any warranty with respect to the quality or performance of our products will be provided only based on a limited warranty certificate separately issued by Solar Frontier. See the Installation and Maintenance Guide or contact the Technical Service for further information on approved installation and use of this product.



Product Data Sheet

SAB12-0673_01_Product_Data_Sheet_SF175-S
 SF175 Contact Solar Frontier K.K. Address: 2-3-2
 Daiba, Minato-ward Tokyo, 135-8074 JAPAN
 Email: info@solarfrontier.jp Website:
 Certifications IEC 61646 / IEC 61730(JET/TUV)
 UL1703(UL) ISO 9001 RoHS Compliant



PowerModule

STC Characteristics 1) SF150-S SF155-S SF160-S SF165-S SF170-S SF175-S
 Nominal power Pmax 150 W 155 W 160 W 165 W 170 W 175 W
 Positive sorting effect +5W/0W
 Module efficiency % 12.2 % 12.6 % 13.0 % 13.4 % 13.8 % 14.2 %
 Open circuit voltage Voc 108.0 V 109.0 V 110.0 V 110.0 V 112.0 V 114.0 V
 Short circuit current Isc 2.20 A 2.20 A 2.20 A 2.20 A

- ✔ LIQUID/AIR COOLING
- ✔ INTELLIGENT INTEGRATION
- ✔ PROTECTION IP54/IP55
- ✔ BATTERY /6000 CYCLES



CIS ??????????????

SAB12-0672_01_CIS ??????????????_SF175-S ?????
 ?????(STC)????????????*1 ??????(Pmax) 175 W
 ?????????????? +10% / -5% ??????(Voc) 114 V
 ??????(Isc) 2.20 A ??????????????(Vmpp) 89.5 V

Solar Frontier Full-Black , SolarTraders

Solar Frontier's SF175-S module series offers among the highest conversion efficiencies of any mass-produced thin-film module - up to 13.8%. Initial exposure to light can increase the power output further due to the "light soaking" effect of CIS modules.



Solar Frontier SF175-S amorfní panel 175Wp

Solar Frontier SF175-S amorfní panel 175Wp - Heureka . Nová generácia CIS amrofných tenkovrstvových fotovoltaických ?lnákov Solar Frontier 175Wp Solárne panely Solár Frontier SF175-S ponúkajú vysokú konverziu ú?innosti

oproti ...



Tabella Prodotti SF145-S SF150-S SF155-S SF160-S SF165

Tabella Prodotti SF145-S SF150-S SF155-S SF160-S SF165-S SF170-S haracteristi Moduli in CIS di nuova generazione I moduli Solar Frontier della serie SF45-170 1 o~ rono le più elevate e? scienze di conversione rispetto a qualsiasi altro modulo in ? Im sottile prodotto in quantitativi industriali: ? no al 1,8 %.



SF150-S SF155-S SF160-S SF165-S SF170-S SF175-S

Massima tensione sistema 1.000 V DC (SF175-S: 1.500V DC) Corrente inversa limite 7 A Range di Temperatura -40°C to +85°C Classe (IEC 61730) Classe A Tutte le informazioni riportate sono di proprietà Solar Frontier. Solar Frontier si riserva il diritto, a suo insindacabile giudizio, di cambiare, modificare, aggiungere o eliminare parti

Solar Frontier SF175-S 175 Watt Solar Panel Module

The Solar Frontier SF175-S 175 Watt Solar Panel Module has a maximum output of 175 watts. Efficiency is an important thing to look at when

comparing solar panels, since it affects how much power can be captured from the sun.



Solar Frontier SF175-S 175 Watt Solar Panel Module

Solar Frontier SF175-S 175 Watt Solar Panel Module - this is an independent review for the Solar Frontier SF175-S 175 Watt Solar Panel Module we have compiled for your reference. Feel free to add your comments or experiences at the bottom of the page. Solar Frontier's CIS modules generate an electrical direct current when exposed to sunlight.

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://ssab-proiect.eu>