

Solelpaket ekonomi

Kvalité till rätt pris

- **NEO solars** polykristallina solpaneler med linjär effektgaranti (25 år), 10 års produktgaranti.
- Växelriktare från **Fronius**, en Europeisk välrenommerad tillverkare. **Fronius** har 3-fas växelriktare från 3kW och uppåt.
- **IBC-solars** toppklassade montagesystem, finns till alla typer av tak.




D6P_B3A
240W - 270W
 Multi-Crystalline Photovoltaic Module

-  Positive power tolerance
0>+4.93 watt
-  Withstand strong wind/snow. Load up to 5400 Pa
Piss ASTM E330; Maximum wind speed: 197 km/h (safety factor 3)
[Short-side installation > 2400 Pa guaranteed]
-  Excellent low light performance
3.5% relative eff. reduction at low-irradiance [300W/m²]
-  100% EL inline inspection
Better module reliability
-  Prolonged aging test
3000 hours damp heat test; 400 thermal cycles
-  Ammonia resistance
According to IEC 62716 Ed. 1







Reliability & Certification


Product guarantee: 10-year
Linear Performance Warranty
- 1-year: 97% power output
then power degradation 0.7% per year till 25th year
- 25-year: 80.2% power output
- 10-year: 90.7% power output
IEC 61215 / IEC61730, CE, MCS, UL1703, CEC

¹ Please refer to NSP product warranty for details

For more information, please visit us at www.nsp.com







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/ Perfect Welding / Solar Energy / Perfect Charging



FRONIUS SYMO

/ Maximum flexibility for the applications of tomorrow.

/ Boosting power categories ranging from 3.0 to 20.0 kW, the transformerless Fronius Symo is the three-phase inverter for systems of every size. Owing to the SuperFlex Design, the Fronius Symo is the perfect answer to irregularly shaped or multi-oriented roofs. The standard interface to the internet via WLAN or Ethernet and the ease of integration of third-party components make the Fronius Symo one of the most communicative inverters on the market. Further more, the meter interface permits dynamic feed-in management and a clear visualisation of the consumption overview.

TECHNICAL DATA FRONIUS SYMO (3.0-3-S, 3.7-3-S, 4.5-3-S, 3.0-3-M, 3.7-3-M, 4.5-3-M)

INPUT DATA	SYMO 3.0-3-S	SYMO 3.7-3-S	SYMO 4.5-3-S	SYMO 3.0-3-M	SYMO 3.7-3-M	SYMO 4.5-3-M
Max. input current (I _{max}) / I _{nom} (1 ^o)	16.0 A / 14.0 A					
Max. input short circuit current (I _{sc}) (1 ^o)	24.0 A / 24.0 A					
Max. open voltage (U _{oc})	150 V					
Max. open voltage (U _{oc}) (1 ^o)	200 V					
Max. input voltage (U _{in})	200 V					
Max. input voltage (U _{in}) (1 ^o)	250 V					
MPPT voltage range (U _{mppt} min - U _{mppt} max)	200 - 800 V	250 - 800 V	300 - 800 V			150 - 800 V
Number of DC connections	3					2+2
Number of DC connections						2+2
OUTPUT DATA	SYMO 3.0-3-S	SYMO 3.7-3-S	SYMO 4.5-3-S	SYMO 3.0-3-M	SYMO 3.7-3-M	SYMO 4.5-3-M
AC nominal output (P _{nom})	3,000 W	3,700 W	4,500 W	3,000 W	3,700 W	4,500 W
Max. output power	3,000 VA	3,700 VA	4,500 VA	3,000 VA	3,700 VA	4,500 VA
Max. output current (I _{out})	6.8 A	8.6 A	10.4 A	6.8 A	8.6 A	10.4 A
Grid connection (voltage range)	3-200V-400V / 230V-380V-380V / 220V-230V / 230V-230V					
Frequency (operating range)	50 Hz / 60 Hz (45 - 65 Hz)					
Grid connection (short-circuit)	50 Hz / 60 Hz (45 - 65 Hz)					
Power factor (cos φ _{ref})	0.97 - 1 (ind./cap.)					
GENERAL DATA	SYMO 3.0-3-S	SYMO 3.7-3-S	SYMO 4.5-3-S	SYMO 3.0-3-M	SYMO 3.7-3-M	SYMO 4.5-3-M
Dimensions (height x width x depth)	645 x 411 x 204 mm					
Weight	16.6 kg					
Degree of protection	IP 65					
Orientation	±1.0°					
Orientation range (DC / AC) *	2/3					
Single line connection	No					
Source design	Transformerless					
Cooling	Regulated air cooling					
Installation	Indoor and outdoor installation					
Relative temperature range	-25°C - 60°C					
Relative humidity	0 - 100 %					
Max. DC voltage	2,000 V / 2,000 V (permitted) (permitted voltage range)					
DC connection technology	3x DC+ and 3x DC- wire terminals 25 - 16 mm ² **					
DC connection technology	3x DC+ and 4x DC- wire terminals 25 - 16 mm ² **					
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Compliance and conformance with standards	DIN / IEC / EN / IEC 61000-4-7, IEC 61000-4-10, IEC 61000-4-11, IEC 61000-4-12, IEC 61000-4-13, IEC 61000-4-14, IEC 61000-4-15, IEC 61000-4-16, IEC 61000-4-17, IEC 61000-4-18, IEC 61000-4-19, IEC 61000-4-20, IEC 61000-4-21, IEC 61000-4-22, IEC 61000-4-23, IEC 61000-4-24, IEC 61000-4-25, IEC 61000-4-26, IEC 61000-4-27, IEC 61000-4-28, IEC 61000-4-29, IEC 61000-4-30, IEC 61000-4-31, IEC 61000-4-32, IEC 61000-4-33, IEC 61000-4-34, IEC 61000-4-35, IEC 61000-4-36, IEC 61000-4-37, IEC 61000-4-38, IEC 61000-4-39, IEC 61000-4-40, IEC 61000-4-41, IEC 61000-4-42, IEC 61000-4-43, IEC 61000-4-44, IEC 61000-4-45, IEC 61000-4-46, IEC 61000-4-47, IEC 61000-4-48, IEC 61000-4-49, IEC 61000-4-50, IEC 61000-4-51, IEC 61000-4-52, IEC 61000-4-53, IEC 61000-4-54, IEC 61000-4-55, IEC 61000-4-56, IEC 61000-4-57, IEC 61000-4-58, IEC 61000-4-59, IEC 61000-4-60, IEC 61000-4-61, IEC 61000-4-62, IEC 61000-4-63, IEC 61000-4-64, IEC 61000-4-65, IEC 61000-4-66, IEC 61000-4-67, IEC 61000-4-68, IEC 61000-4-69, IEC 61000-4-70, IEC 61000-4-71, IEC 61000-4-72, IEC 61000-4-73, IEC 61000-4-74, IEC 61000-4-75, IEC 61000-4-76, IEC 61000-4-77, IEC 61000-4-78, IEC 61000-4-79, IEC 61000-4-80, IEC 61000-4-81, IEC 61000-4-82, IEC 61000-4-83, IEC 61000-4-84, IEC 61000-4-85, IEC 61000-4-86, IEC 61000-4-87, IEC 61000-4-88, IEC 61000-4-89, IEC 61000-4-90, IEC 61000-4-91, IEC 61000-4-92, IEC 61000-4-93, IEC 61000-4-94, IEC 61000-4-95, IEC 61000-4-96, IEC 61000-4-97, IEC 61000-4-98, IEC 61000-4-99, IEC 61000-5-00					
** This applies to Fronius Symo 3.0-3-S, 3.7-3-S and 4.5-3-S.						
** According to IEC 62109-2.						
** It may not be used with red conductors. Further information regarding the availability of the inverters in your country can be found at www.fronius.com .						

Smart Systems for Solar Power





Withstands heavy snow loads
IBC TopFix 200

Materialpaket

(Pris inkl. moms, komplett baspaket* för driftklar installation, montage ingår ej, vi monterar gärna - begär offert) Obs! Elninstallation skall utföras under överinseende av behörig installatör.

- 5,2kW 20st 260W-paneler **66 000:-**
(producerar ca 4900kWh/år i optimalt läge)
- 10,4kW 40st 260W-paneler **122 000:-**
(producerar ca 9800kWh/år i optimalt läge)
- 20,8kW 80st 260W-paneler **230 000:-**
(producerar ca 19700kWh/år i optimalt läge)

*baspaket = lämpligt för okomplicerad installation på vanligt tegeltak, korrugerat plåttak etc.