

Solelpaket bas

Kvalité till rätt pris

- **IBC solars** polykristallina solpaneler med linjär effektgaranti (25 år), 15 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.



Smart Systems for Solar Power **IBC SOLAR**

EEEASILY MORE.
Excellent. Efficient. Expert.

The Value-Added Modules of the IBC SOLAR Line.
IBC PolySol 255 VL, 260 VL
First-class solar modules made of polycrystalline silicon

10+5 YEARS WARRANTY

- 25 year linear power and 15 year product warranty*
- Positive power tolerance (+0/+5 Wp)
- Increased mechanical stability (5400 Pa)²
- German warrantor
- 100% tested quality
- Maximum transparent ARC glass

IBC SOLAR – a strong global partner for solar power

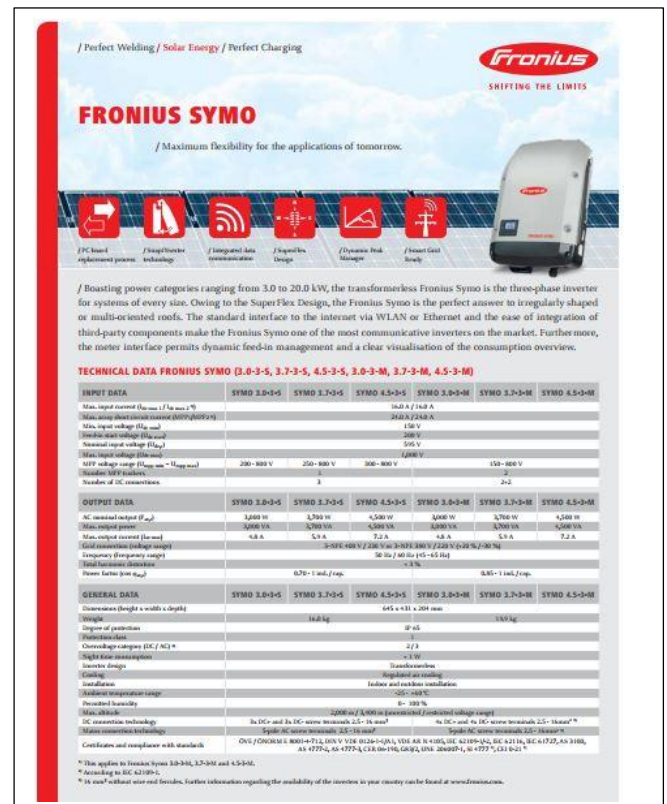
IBC SOLAR AG has been successful for more than 30 years and is amongst the leading international energy companies, which provide high-performance system solutions in every size and for every application with intelligent photovoltaic systems. The economic strength and financial independence is confirmed by globally recognised rating agencies.

Smart Systems for Solar Power thanks to perfectly matched components. More than 1,000 highly qualified partners around the world, as well as more than 2,700 megawatts of installed power and over 160,000 photovoltaic systems all underline the high level of expertise of IBC SOLAR.

Convince yourself of the energy solutions by IBC SOLAR!

The ideal solution for: 

Engineered in GERMANY



/ Perfect Welding / Solar Energy / Perfect Charging

FRONIUS SYMO
SHIFTING THE LIMITS

/ Maximum flexibility for the applications of tomorrow.

1 / PC based applications process / 2 / Intelligent exchange / 3 / Integrated data communication / 4 / Superior Design / 5 / Dynamic Peak Manage / 6 / Smart Grid Ready

/ 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 Super Flex 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} (10)	16.0 A / 14.0 A	18.0 A / 16.0 A	21.0 A / 18.0 A	16.0 A / 14.0 A	18.0 A / 16.0 A	21.0 A / 18.0 A
Max. input short circuit current (I _{sc}) (10/15)	24.0 A / 24.0 A	24.0 A / 24.0 A	24.0 A / 24.0 A	24.0 A / 24.0 A	24.0 A / 24.0 A	24.0 A / 24.0 A
Max. input voltage (U _{in}) (10)	150 V	150 V	150 V	150 V	150 V	150 V
Max. output voltage (U _{out}) (10)	500 V	500 V	500 V	500 V	500 V	500 V
Max. input voltage (U _{in}) (15)	200-800 V	250-800 V	300-800 V	200-800 V	250-800 V	300-800 V
Max. output voltage (U _{out}) (15)	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
MPP voltage range (U _{MPP} min. - U _{MPP} max.)	200-800 V	250-800 V	300-800 V	200-800 V	250-800 V	300-800 V
Number of DC connections	3	3	3	3	3	3
Number of AC connections	3	3	3	3	3	3
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 maximal output (P _{max})	3,000 W	3,700 W	4,500 W	3,000 W	3,700 W	4,500 W
Max. output power (P _{max})	3,000 W	3,700 W	4,500 W	3,000 W	3,700 W	4,500 W
Max. output current (I _{max}) (10)	6.8 A	8.8 A	10.8 A	6.8 A	8.8 A	10.8 A
Grid connection (voltage range)	3-200V-400V / 230V-480V / 220V-480V / 230V-480V					
Frequency (operating range)	50 Hz / 60 Hz (45-65 Hz)					
Grid connection (frequency range)	50 Hz / 60 Hz (45-65 Hz)					
Max. forward inrush current	50 A (100 A (15-45 Hz))					
Power factor (cos φ _{min})	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			645 x 411 x 204 mm		
Weight	18.8 kg			18.8 kg		
Degree of protection	IP 65					
Flammability	UL 94 V-0					
Overvoltage category (C/AC) *	2/3					
Single line connection	1-1-0					
Inverter design	Transformerless					
Cooling	Regulated air cooling					
Installation	Indoor and outdoor installation					
Relative temperature range	-25°C - 60°C					
Protected humidity	0 - 100 %					
Max. DC voltage	2,000 V / 3,000 V (protected) (protected voltage range)					
DC connection technology	3x DC and 3x DC reverse terminals 25 - 16 mm ²			4x DC and 4x DC reverse terminals 25 - 16 mm ²		
Max. DC connection cable length	50 m (165 ft) (max. 25°C ambient temperature)					
Compliance and conformance with standards	DIN / IEC / EN / IEC 61841-1, IEC 61841-2, IEC 61841-3, IEC 61841-4, IEC 61841-5, IEC 61841-6, IEC 61841-7, IEC 61841-8, IEC 61841-9, IEC 61841-10, IEC 61841-11, IEC 61841-12, IEC 61841-13, IEC 61841-14, IEC 61841-15, IEC 61841-16, IEC 61841-17, IEC 61841-18, IEC 61841-19, IEC 61841-20, IEC 61841-21, IEC 61841-22, IEC 61841-23, IEC 61841-24, IEC 61841-25, IEC 61841-26, IEC 61841-27, IEC 61841-28, IEC 61841-29, IEC 61841-30, IEC 61841-31, IEC 61841-32, IEC 61841-33, IEC 61841-34, IEC 61841-35, IEC 61841-36, IEC 61841-37, IEC 61841-38, IEC 61841-39, IEC 61841-40, IEC 61841-41, IEC 61841-42, IEC 61841-43, IEC 61841-44, IEC 61841-45, IEC 61841-46, IEC 61841-47, IEC 61841-48, IEC 61841-49, IEC 61841-50, IEC 61841-51, IEC 61841-52, IEC 61841-53, IEC 61841-54, IEC 61841-55, IEC 61841-56, IEC 61841-57, IEC 61841-58, IEC 61841-59, IEC 61841-60, IEC 61841-61, IEC 61841-62, IEC 61841-63, IEC 61841-64, IEC 61841-65, IEC 61841-66, IEC 61841-67, IEC 61841-68, IEC 61841-69, IEC 61841-70, IEC 61841-71, IEC 61841-72, IEC 61841-73, IEC 61841-74, IEC 61841-75, IEC 61841-76, IEC 61841-77, IEC 61841-78, IEC 61841-79, IEC 61841-80, IEC 61841-81, IEC 61841-82, IEC 61841-83, IEC 61841-84, IEC 61841-85, IEC 61841-86, IEC 61841-87, IEC 61841-88, IEC 61841-89, IEC 61841-90, IEC 61841-91, IEC 61841-92, IEC 61841-93, IEC 61841-94, IEC 61841-95, IEC 61841-96, IEC 61841-97, IEC 61841-98, IEC 61841-99, IEC 61841-100					
* This applies to Fronius types 3.0-3-S, 3.7-3-S, 4.5-3-S and 4.5-3-M.						
** According to IEC 62109-2.						
** In case of outdoor use see local codes. Further information regarding the suitability of the inverters in your country can be found at www.fronius.com .						



Smart Systems for Solar Power **IBC SOLAR**

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 **68 000:-**
(producerar ca 4900kWh/år i optimalt läge)
- 10,4kW 40st 260W-paneler **125 000:-**
(producerar ca 9800kWh/år i optimalt läge)
- 20,8kW 80st 260W-paneler **237 500:-**
(producerar ca 19700kWh/år i optimalt läge)

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