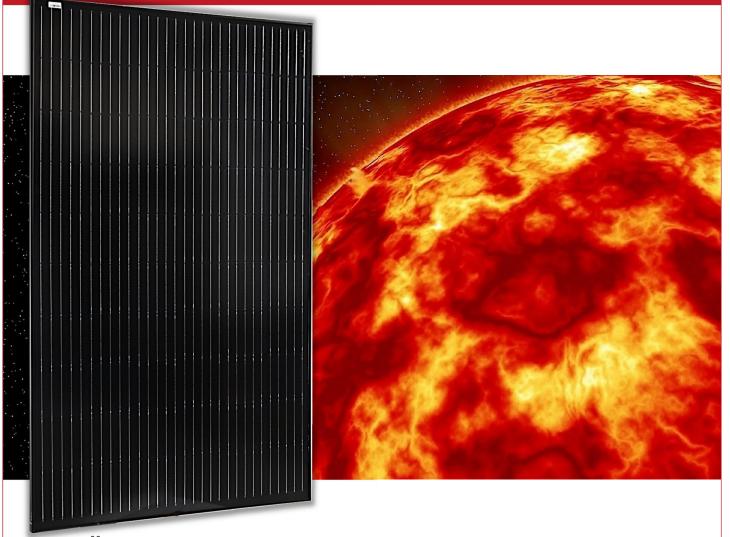
## SCH M60 FULL BLACK

SOLAR PANELS





## SCHLÄFER, THE VALUES YOU ARE LOOKING FOR

We have 60 years experience in the market. With our sales network, always working alongside professionals whom we have chosen for their advanced technology systems, we have made a positive difference to the lives of thousands of German families.

The name Schläfer is synonymous with quality, which is what our clients expect from us.

Our Solar photovoltaic panels reflect our Corporate values: quality, reliability and consistent performance over time. We are very strict in our choice of suppliers which produce components for Schläfer Solar panels, plus we use the best production technologies available.

- Modern fully automated production line
- PV high performance module
- Highly transparent glass with antireflective coating
- Maximum stability during snow and wind - Aluminium frame soft grip

- IEC 61215, IEC 61730
- ISO 9001, ISO 14001, OHSAS 18001
- 20 years manufacturer's warranty on private roofs and 15 in other cases
- 25 years linear performance guarantee

## SCH M60full black

## schläfer

Erneuerbare Energien

PERFORMANCE UNDER STANDARD TEST CONDIT (1000 W/m2 - AM 1,5 - 25°C)	IONS STC *	SCH 285 M60	SCH 290 M60	SCH 295 M60	SCH 300 M60	SCH 305 M60	SCH 310 M60
NOMINAL OUTPUT Pmpp **	[W]	285,00	290,00	295,00	300,00	305,00	310,00
MODUL CONV. EFFICIENCY	[%]	17,47	17,77	18,08	18,39	18,69	19,00
NOMINAL VOLTAGE MPP	[V]	32,76	33,00	33,42	33,54	33,99	34,20
NOMINAL CURRENT MPP	[A]	8,80	8,83	8,90	8,95	9,05	9,10
OPEN CIRCUIT VOLTAGE	[V]	38,91	39,09	39,51	39,69	40,28	40,57
SHORT CIRCUIT CURRENT	[A]	9,33	9,35	9,42	9,46	9,56	9,60
PERFORMANCE AT NOCT (800 W/m2 - AM 1,5 - 43°C	<b>:</b> )						
MAXIMUM PERFORMANCE	[W]	212,40	216,13	219,86	223,58	227,31	231,04
ELECTRICAL VOLTAGE MPP	[V]	30,50	30,73	31,12	31,23	31,64	31,84
ELECTRICITY MPP	[A]	7,02	7,04	7,10	7,14	7,22	7,26
VOLTAGE OF OPEN CIRCUIT	[V]	36,23	36,39	36,78	36,95	37,51	37,77
SHORT CIRCUIT	[A]	7,44	7,46	7,51	7,55	7,62	7,66

<sup>\*</sup> The electrical parameters have a tolerance of +/- 3%.

<sup>\*\*</sup> Tolerance range: -0 / +5Wp

CHARACTERISTICS			
NOCT	[°C]	43,00 ± 2°C	
CURRENT ISC	[%/°C]	0,043	
VOLTAGE UOC	[%/°C]	-0,300	
OUTPUT PMAX	[%/°C]	-0,380	

IVIECHAMICAL DATA	
SIZE L x H x P [mm]	1648 x 990 x 34 ± 2mm
WEIGHT [kg]	19,0
CELLS	60 cells – silicon monocrystalline
FRONTSIDE	Tempered glass 3,2mm
INCAPSULATING MATERIAL	EVA
UNDERSIDE	PPE black
FRAME	Anodized Aluminium
PLUGIN SYSTEM	IP65 with 3 bypass diodes

MC4 compariable

OPERATING CONDITIONS	
TEMPERATURE	-40 / +90°C
MAX.LOAD – CARRING CAPACITY	5.400Pa
MAXIMUM SYSTEM VOLTAGE	1.000V

CERTIFICATIONS AND GUARANTEES	
CERTIFICATIONS	IEC 61215, IEC 61730, UNI9177 CLASSE 1
	ISO 9001 / ISO 14001 / OHSAS 18001
GUARANTEES ***	20 /15 years manufacturers warranty
	25 years linear performance guarantee

<sup>\*\*\*</sup> See the warranty sheet for more details













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CONNECTOR