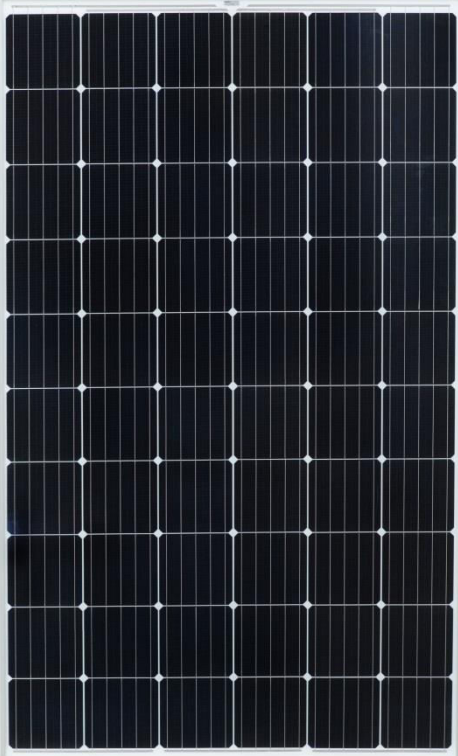


Schmid Pekintas Energy Monocrystalline PERC SPE 295-310

Technical Characteristics

Cell Type	60 (6 x 10) Monocrystalline PERC
Dimensions	1660 x 995 x 35 mm
Weight	18.0 kg (± 1 kg)
Front Cover	3.2 mm thick, Anti-Reflective, Tempered Solar Glass
Back Sheet	White Multilayer Sheet
Encapsulation	EVA (Ethylene Vinyl Acetate)
Frame Material	Anodized Aluminum
Diodes	3 Bypass Diodes
Junction Box	IP 67
Cable Connectors	Length 1000mm, MC4 compatible
Max Load	5400 Pa
Max Reverse Current	15A
Operating Temperature	-40 / +85°C
NOCT	45°C (± 2 °C)
Temp. Coef. Pmax	-0.38 %/°C
Temp. Coef. Voc	-0.31 %/°C
Temp. Coef. Isc	0.045 %/°C



Electrical Characteristics (STC)		SPE310	SPE305	SPE300	SPE295
Maximum Power (P_{max})	Wp	310	305	300	295
Power Tolerance	Wp	0 / + 5			
Voltage at P_{max} (V_{mpp})	V	33.0	32.8	32.3	32.1
Current at P_{max} (I_{mpp})	A	9.4	9.3	9.3	9.2
Open Circuit Voltage (V_{oc})	V	40.0	39.9	39.8	39.7
Short Circuit Current (I_{sc})	A	10.0	9.9	9.8	9.7
Maximum System Voltage	1000V (1500V upon request)				
Module Efficiency	%	18.8	18.5	18.2	17.9

Under Standard Test Conditions (STC): Irradiance @ 1000 W/m², AM 1.5, Cell Temperature @ 25 °C

P_{mpp}	W	229	224	221	217
Voltage at P_{mpp} (V_{mpp})	V	30.2	29.9	29.5	29.3
Current at P_{mpp} (I_{mpp})	A	7.6	7.5	7.5	7.4
Open Circuit Voltage (V_{oc})	V	36.6	36.3	36.2	35.9
Short Circuit Current (I_{sc})	A	8.0	8.0	7.9	7.9

Under Normal Operating Cell Temperature (NOCT): Irradiance @ 800 W/m², AM 1.5, Cell Temperature @ 45 °C
Electrical parameters are subject to change and not guaranteed for all production batches.