


Schmid Pekintas Energy Polycrystalline SPE 260-275

Technical Characteristics

Cell Type	60 (6 x 10) Polycrystalline cells
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)		SPE275	SPE270	SPE265	SPE260
Maximum Power (P_{max})	Wp	275	270	265	260
Power Tolerance	Wp	0 / + 5			
Voltage at P_{max} (V_{mpp})	V	31.1	30.7	30.4	30.1
Current at P_{max} (I_{mpp})	A	8.9	8.8	8.8	8.7
Open Circuit Voltage (V_{oc})	V	38.2	37.9	37.6	37.3
Short Circuit Current (I_{sc})	A	9.4	9.3	9.2	9.2
Maximum System Voltage	1000V (1500V upon request)				
Module Efficiency	%	16.6	16.3	16.0	15.7

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

Pmpp	W	202	198	195	192
Voltage at P_{mpp} (V_{mpp})	V	28.5	28.0	27.8	27.3
Current at P_{mpp} (I_{mpp})	A	7.1	7.1	7.0	7.0
Open Circuit Voltage (V_{oc})	V	34.7	34.5	34.2	33.9
Short Circuit Current (I_{sc})	A	7.6	7.5	7.5	7.4

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.