

# Solar Panel Comparison

Manufacturer	Aleo Solar AG	Arinna AG	
Model	Aleo S19.235 sol	peakpower 60 (220)	premium 48 (185)
STC Rated Power Output (W)	235	220	185
Voltage at Rated Power (V)	30.20	30.20	24.67
Current at Rated Power (A)	7.78	7.28	7.48
Open Circuit Voltage (V)	36.80	36.90	29.86
Short Circuit Current (A)	8.45	7.85	8.00
Fill Factor	75.6%	75.9%	77.4%
Panel Efficiency	14.2%	13.3%	13.8%
Power Tolerance	0.00% ~ 2.13%	-3.00% ~ 3.00%	-3.00% ~ 3.00%
Power Temperature Coefficiency (%/°C)	-0.48		
Temperature Coefficiency VOC (%/°C)	-0.34		
Temperature Coefficiency ISC (%/°C)	0.030		
NOCT (°C)			
Panel Height (mm)	1704	1660	1345
Panel Width (mm)	1015	1000	1000
Panel Depth (mm)	17	45	45
Panel Area (M^2)	1.73	1.66	1.35
Panel Weight (kg)	19.0	25.0	21.0
Material/Output Warranty (Years)			
PTC Power Output (W)			
PTC/STC Ratio			
Estimated Power At NOCT (W)			

- PTC Power: The output power under PVUSA Test Conditions. 1000 W/M2 solar irradiance, 20°C ambient air temperature, and 1m/s wind speed at 10 meters above ground level.
- Estimated Power At NOCT: The estimated output power under the NOCT conditions: 800 W/M2 solar irradiance, 20°C ambient air temperature, and 1m/s wind speed.
- The report is generated from the solar panel database at [www.posharp.com](http://www.posharp.com). Contact Posharp at 888-429-7989 for special services, including solar panel supplies