



PRIMA Shingled Cell Bifacial Rigid Solar Module

Model	PSM50(B)	PSM100(B)	PSM130(B)	PSM170(B)	PSM200(B)
Electrical Characteristics					
Rated Power	50W	100W	130W	170W	200W
Rated Voltage (Umpp)	20.9V	24.4V	20.9V	20.9V	32.5V
Open-Circuit voltage (Uoc)	24.5V	28.5V	24.5V	24.5V	38.0V
Short-circuit current(Isc)	2.51A	4.30A	6.53A	8.54A	6.46A
Rated current (Impp)	2.40A	4.10A	6.23A	8.14A	6.16A
Efficiency	22.70%				
Max. system Voltage	600V	1000V			
Power temperature coefficient	- 0.35%/°C				
Voltage temperature coefficient	- 0.275%/°C				
Current temperature coefficient	0.045%/°C				
Output power tolerance	±3%				
Temperature range	-40°C bis +85°C				

Technical Specifications					
Solar cell size	182mm	182mm	182mm	182mm	182mm
No. of Cells	36 (2x18)	42 (3x14)	36 (3x12)	72 (4x9x2)	56(4x14)
Dimensions	750x395x30mm	945x590x30mm	1190x590x30mm	1215x770x30mm	1380x770x30mm
Junction box	IP65				
Weight	2.6 kg	5.00 kg	6.30 kg	8.50 kg	9.60 kg
No. of Diodes	1	2			
Cable Cross-section	2.5mm²	4mm²			
Cable Length	900mm²				
Connectors	MC4 Compatible				
Solar cells	Monocrystalline				
Cell Connection	Shingled Technology (Bifacial)				
Certifications	CE, ROHS, FCC				