

Solar Modules 10 -20 W

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Solar Modules are designed for industrial and professional applications using scratch resistant anodised aluminum with a twin wall frame. The junction box is borrowed from large sized modules and support a user friendly and outdoor proof field installation. Crystalline cells are sandwiched between tempered low iron solar glass sheets and double layered highly resistant foil.

Please find the technical data on the next page.



Technical Data		Photovoltaic Panel 10		Photovoltaic panel 20	
System voltage		(VDC)	[V]	12	
Power		(Pmp)	[W]	10	20
Voltage at max. power		(Vmp)	[V]	17.5	17.7
Current at max. power		(Imp)	[A]	0.57	1.13
Open circuit voltage		(Voc)	[V]	21.50	21.70
Short circuit current		(Isc)	[A]	0.61	1.2
Cell				36	36
Cell efficiency			[%]	21.9	
Module efficiency			[%]	19.2	
Max. tolerance			[%]	+/- 3	
Operating module temp.			[°C]	-40...+85	
Front	Thickness		[mm]	Tempered glass	
Back side	Colour			white	
Frame	Material			Clear anodized aluminum	
	Colour			silver	
Junction box protection				IP 65	
Dimension		(X/Y/Z)	[mm]	340x250x17	480x350x25
Mounting hole Ø		d1	[mm]	15	
Weight			[kg]	1	2
Temperature coefficient	Power		[%]	-0.450	
	Voc		[%]	-0.370	
	Isc		[%]	0.081	
Package type				Single box	