

Solar Modules

Sun Plus

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Solar Modules Sun Plus 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. Polycrystalline cells are sandwiched between 3,2 mm tempered low iron solar glass sheets and double layered highly resistant foil.



Technical Data		Sun Plus 5	Sun Plus 10	Sun Plus 20
System voltage (VDC)		12 V	12 V	12 V
Max Power (Pm)		5 W	10 W	20 W
Voltage at max. power (Vmp)		16,8 V	17 V	17 V
Current at max. power (Imp)		0,3 A	0,59 A	1,18 A
Open circuit voltage (Voc)		21 V	22 V	22 V
Short circuit current (Isc)		0,34 A	0,66 A	1,32 A
Max. Tolerance		+5% / -0 %		
Nominal Operating Temp. NOCT		45,7 °C +/-2 °C		
Max. System Voltage		70 V		
Operating module temperature [°C]		-40 °C to +85 °C		
Cell Type and Number		36 cells poly		
Front Panel		Tempered Low Iron Solar Glass 3.2 mm		
Frame		Scratch Resistant Anodized Aluminum with Twin – Wall Profile (Silver)		
Junction box		IEC/UL approved IP65		
Dimension (X x Y x Z)		255 x 255 x 34 mm	355 x 255 x 34 mm	455 x 380 x 34 mm
Mounting Holes Pitch (X)		215 mm	215 mm	350 mm
Mounting Holes Pitch (Y)		200 mm	200 mm	330 mm
Weight		1,0 kg	1,4 kg	2,2 kg
Temperatur coefficient	Power	-0,43%		
	Voc	-0,33%		
	Isc	0,05%		
Certificate		IEC 61215 (Design qualification and type approval), IEC 61730 (Module safety qualification), IEC 60068-2-68 (Test L: Dust and sand), IEC 61701 (Salt Mist corrosion)		
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