

100W ETFE Fleksibelt solcellepanel med MC4 kabler



PolarPlus solcellepaneler med halv-celler (15-20% større ytelse)

Monokrystallinske halv-celler er forskjellig fra tradisjonelle solpaneler som har hele monokrystallinske celler. Halv-celler er mer fleksible og har mindre indre motstand noe som gir høyere kraftproduksjon og mindre varme.

Halv-celler (shingled) gir 15-20% større ytelse når panelet bøyd/skyggebelagt enn tradisjonelle solcellepaneler

Solcellepaneler med ETFE overflate har en ekstra topp-folie for bedre beskyttelse.

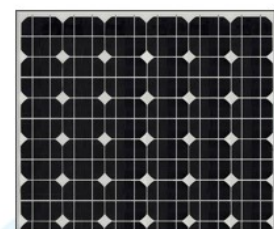
Solcellepanelene er ikke saltvannbestandig men er godt egnet for bruk til hytte, bobiler m.m.

Specification	PF100MFE	Accessories
Mechanical Data	Standard Test Conditions AM=1.5, E=1000W/m ² , TC=25°C	<p>Quick Connect System (QCS)</p> <p>Bluetooth</p> <p>PolarPlus+</p>
Nominal Power	100W	
Cell type	Monocrystalline	
Cell Efficiency	21,4 %	
Maximum Power current(Imp)	5.04A	
Maximum Power Voltage(Vmp)	19,86V	
Open-circuit Voltage(Voc)	23.70V	
Short-circuit Current(Isc)	5.34A	
Maximum System Voltage	100V	
Output tolerance	+3%	
Cable	500mm / 2.5mm ² / IP67	
Connector Type	MC4	
Module Structure	ETFE / EVA / Backsheet	
Junction box rating	IP67	
Working Temperature	-40°C~+85°C	
Dimension	1150x510x2mm	
Weight	2,5kg	
Maximum bending	Radius of <15 degrees	
Parallel connection	Maximum 4 with MC4-Y connectors	
Product warranty	2 years	

	Conventional Panel	Shingled Panel	Sunpower Panel
EFFICIENCY OF PANEL	average	very good	poor
BENDING ANGLE	<30°	>40°	<30°
HOT-SPOT RESISTANCE	higher	very lower	average
SHADOW EFFECT	higher	very lower	average
MECHANICAL LOAD TEST	poor	very good	average
CELLS CRACK	higher	very lower	lower
APPEARANCE	average	good	good



Shingled arrangement without gaps



Ordinary panels arrangement has a lot of gaps