



# Energy Research Institute B.V. Flexible Solar Panels



# Flexible mono solar panel ERI-120FM

## Electrical Characteristics

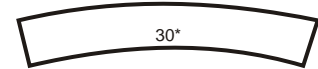
Max Power	Pmax	120W
Max power voltage	VMP	22.0V
Max Power Current	imp	5.45A
Open Circuit Voltage	Voc	26.4V
Short Circuit Current	isc	5.87A
Maximum System Voltage		600V
Series Fuse Rating		10A

## Temperature Co-efficients

	Power	-0.38%/
	Voltage	-60.8mV/
	Current	2.2mA/
Cell efficiency		20.0%
Number of cells in series		40
Max power tolerance		+5%

## Mechanical Characteristics

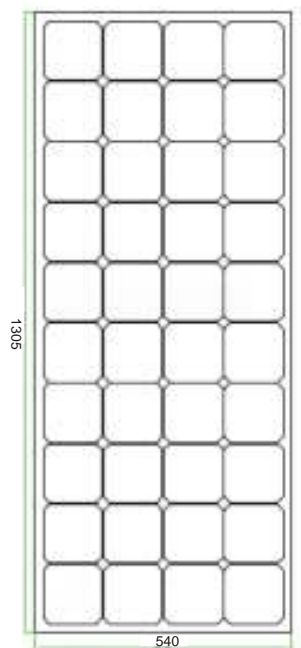
Weight	2.0 KG
Dimension	1305*540*3 mm



Maximum recommended bending degree: 30 degree



Junctionbox of the SJ series.  
Optional for the ERI120FM panel.



# Flexible mono solar panel ERI-100FM

## Electrical Characteristics

Max Power	Pmax	100W
Max power voltage	VMP	17.8V
Max Power Current	imp	5.62A
Open Circuit Voltage	Voc	21.6V
Short Circuit Current	isc	5.97A
Maximum System Voltage		600V
Series Fuse Rating		10A

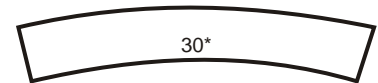
## Temperature Co-efficients

Power	-0.38%/
Voltage	-60.8mV/
Current	2.2mA/

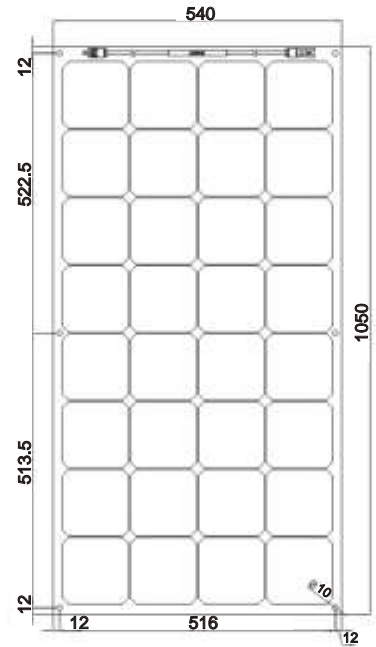
Cell efficiency	19.9%
Number of cells in series	32
Max power tolerance	+5%

## Mechanical Characteristics

Weight	1.8KG
Dimension	1050*540*3 mm



Maximum recommended bending degree: 30 degree



# Flexible mono solar panel ERI-80FM

## Electrical Characteristics

Max Power	Pmax	80W
Max power voltage	VMP	15.4V
Max Power Current	imp	5.19A
Open Circuit Voltage	Voc	18.5V
Short Circuit Current	isc	5.58A
Maximum System Voltage		600V
Series Fuse Rating		10A

## Temperature Co-efficients

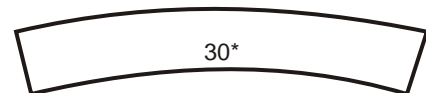
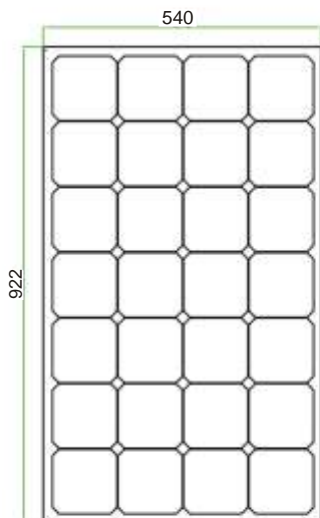
Power	-0.38%/
Voltage	-60.8mV/
Current	2.2mA/

Cell efficiency	19.9%
Number of cells in series	28
Max power tolerance	10A



## Mechanical Characteristics

Weight	1.64 KG
Dimension	922*540*3 mm



Maximum recommended bending degree: 30 degree

# Flexible mono solar panel ERI-20FM

## Electrical Characteristics

Max Power	Pmax	20W
Max power voltage	VMP	17.6V
Max Power Current	imp	1.14A
Open Circuit Voltage	Voc	20.8V
Short Circuit Current	isc	1.23A
Maximum System Voltage		600V
Series Fuse Rating		10A

## Temperature Co-efficients

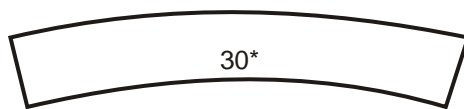
Power	-0.48%/C
Voltage	-17Mv/
Current	4.8 MA/

Cell efficiency	20.41%
Number of cells in series	36
Max power tolerance	10A



## Mechanical Characteristics

Weight	0.8 KG
Dimension	310*530*3 mm



Maximum recommended bending degree: 30 degree

