

# ASCA<sup>®</sup> MODULE GENERAL DATA

Give your project the power of the 3<sup>rd</sup> millennium

The ASCA<sup>®</sup> film is an environmentally friendly organic photovoltaic innovation with unique properties that is suitable to an infinite quantity of applications



## ENVIRONMENTALLY FRIENDLY

ORGANIC MATERIALS, NO RARE OR TOXIC COMPONENTS  
LOW-CARBON PROCESS  
100% RECOVERABLE



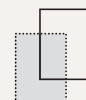
### LIGHTWEIGHT

Extremely thin  
450 g/m<sup>2</sup> +/- 50 g/m<sup>2</sup>



### FLEXIBILITY

Bendable and easy  
to roll - Integration  
on curved surfaces



### SEMI TRANSPARENCY

Ultra-thin layers  
Customizable,  
semi- or fully-transparent  
electrode patterns



### INDOOR & OUTDOOR

Energy production  
even at low light



### IMPACT RESISTANCE

IK10 Rating  
(EN 62262 standard)



### LARGE-SCALE MANUFACTURING

Capacity of 1 million m<sup>2</sup>  
per year

## MODULE SPECIFICATIONS

### DESCRIPTION

Cell type	Organic
Thickness	< 400 µm
Weight	max. 500 g/m <sup>2</sup>

## FILM DESIGN

Transparency	Up to 20% (higher numbers on request)
Colour	Blue, green, red, grey
Design & Dimensions	Customizable

## ELECTRICAL PERFORMANCES

PARAMETERS	STC CONDITIONS <sup>1</sup>
Power	Up to 40 Wp/m <sup>2</sup>
Maximum voltage (V <sub>mpp</sub> )	Customizable (based on requirements and/or module design)
Maximum current (I <sub>mpp</sub> )	Customizable (based on requirements and/or module design)

<sup>1)</sup> STC Conditions (Standard Test Conditions): 1000 W/m<sup>2</sup>, AM 1.5, 25°C

## SECURITY ASPECT

- Not self-flammable

## WORKING CONDITIONS

PARAMETERS	VALUES
Operating temperature	-20 to +65°C
Storage temperature	-40 to +85°C
Minimum bending radius	10 mm
Number of bending cycles	100,000 cycles

**ARMOR**  
solar power films

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