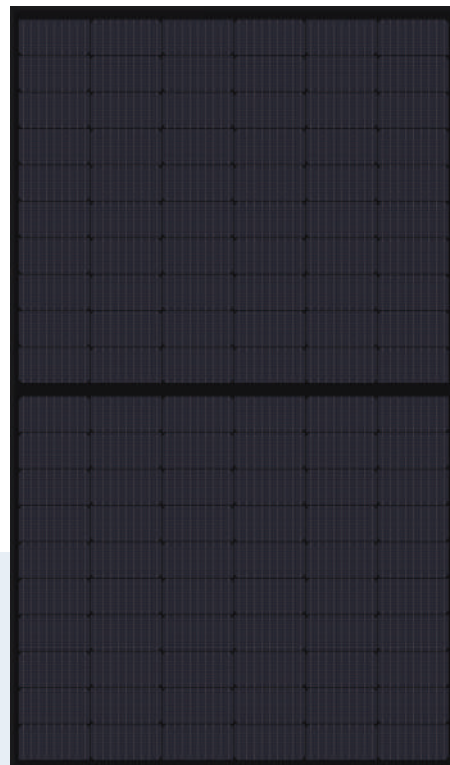


# Photovoltaics Monocrystalline modules

**Solet 410MH5-54** **410W**

High efficiency, half-cell



PHOTOVOLTAIC MODULE

### ADVANTAGES OF SOLET PHOTOVOLTAICS MODULES

**20 years**

PRODUCT WARRANTY

**95% after 10 years**

PRODUCT PERFORMANCE WARRANTY

**84,8% after 25 years**

PRODUCT PERFORMANCE WARRANTY



#### Low-light performance

(Low temperature coefficient guarantee higher power output in cloudy and low-light conditions)



#### Positive power tolerance

(All modules are tested and we provide only those that have a positive power tolerance from 0 to +5 Wp. The customer only receives solar modules with declared power)



#### High performance

(Solar cells that are used in solar modules are one of the most advanced and ensure a high-efficiency rate that goes as high as 20.97%. Consequently, these are unequivocally among the most effective in their category)



#### Module testing process

(During the whole manufacturing process modules are being tested at least three times, therefore they reach the end customer fully checked, A class, and without any visual or electrotechnical defects)



#### Strict production control

(Solar modules are manufactured according to a time-tested manufacturing process)



#### Certified and approved

(Certified by TUV SUD according to EN 61215 and EN 61730 standards and are resistant to extreme climate conditions. Modules are not afraid of rain, snow, wind, or hail)

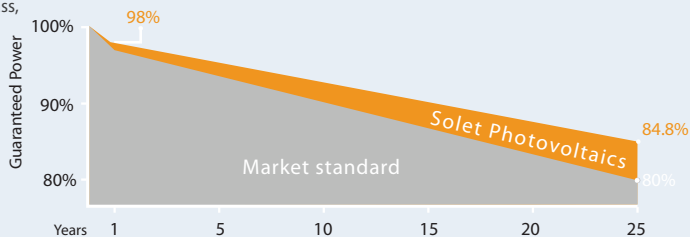


#### 20 years manufacturer's product warranty

(Solar modules are covered by 20 years product warranty and 25 years product performance warranty)

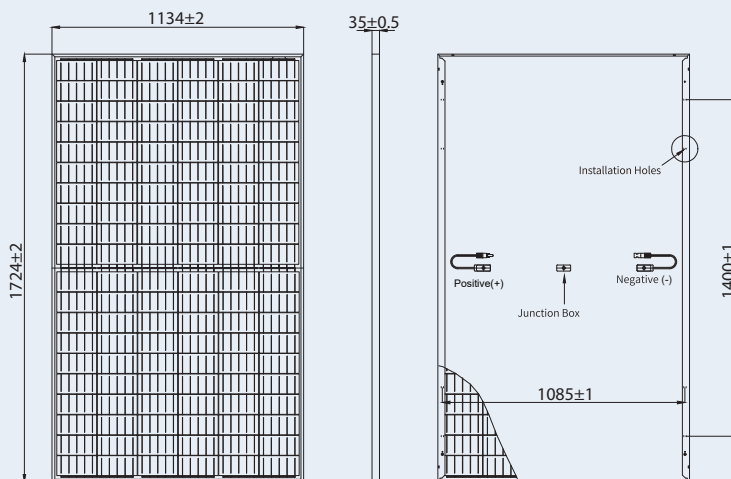


Certificate No. Z2 113312 0001 Rev. 00., meets (EN) IEC 61215-1:2016, (EN) IEC 61215-1-1:2016, (EN) IEC 61215-2:2016, (EN) IEC 61730-1:2016, (EN) IEC 61730-2:2016 standards. Certificate valid for period 2021-07-01 - 2026-03-10.



## ELECTRICAL PARAMETERS

Type, Nominal Power, Wp	<b>Solet 410MH5-54</b>
Maximum Power* (PMPP)	410.1 - 415.0 Wp
Maximum Voltage (UMPP)	31.30 V
Maximum Current (IMPP)	13.10 A
Open Circuit Voltage (UOC)	37.26 V
Short Circuit Current (ISC)	13.79A
Power tolerance	Positive
Efficiency, %	20.97



## MECHANICAL PARAMETERS

Solar cell	182x91 mm, monocrystalline
Number of cells	108 pcs. (6x18), half cells
Front side glass	3.2 mm
Weight	up to 22.0 kg
Dimensions (LxWxH)	1724x1134x35mm
J-box	IP68
Cable length	250 mm (+) ir 300 mm (-)
Cable cross-section size	4 mm <sup>2</sup>
Number of diodes	3
Plug-in connection	MC4 or equivalent (IP65)
Frame	Anodized aluminum alloy (black or white)
Packing Configuration	31 pcs./pallet

Irradiance 1000 W/m<sup>2</sup>,  
temperature of modules 25°C,  
spectrum AM 1.5.

Warranty is applicable by UAB Solet  
limited warranty terms.

## WORKING CONDITIONS

Maximum System Voltage	1000/1500V
Operating temperature	-40 °C / +85 °C
Max. wind load/max. snow load	2400 Pa/5400 Pa*
Fire safety class	II (B)
IP Code	67

## TEMPERATURE COEFFICIENTS

Voltage temperature coefficient	$\beta$	-0.27 %/°C
Current temperature coefficient	$\alpha$	0.048 %/°C
Power temperature coefficient	$\delta$	-0.35 %/°C

\* Safety factory 1,5 is included.

