

HYUNDAI SOLAR MODULE

HG 430 Watt SERIES

HYUNDAI SOLAR MODULE

HG SERIES

G12 PERC Single-junction
 HSE-542HG(FR) HSE-543HG(FR)
 HSE-544HG(FR) HSE-545HG(FR)

Technology

For South Hemisphere Installation

More Power Generation in Low Light

G12 PERC Single-junction
 G12 PERC Single-junction technology provides ultra-high efficiency with better performance in low irradiation. Maximum irradiation capacity in limited space.

Anti-SD / PID
 Back-SD (anti-solar degradation) and PID (potential induced degradation) are strongly suppressed to ensure higher actual yield during lifetime.

Mechanical Strength
 Tempered glass and electrolytic frame design withstands adverse weather conditions such as heavy snow and strong wind.

Reliable Warranty Service
 Global brand with powerful financial strength provides reliable 25-year warranty (Material and Energy Only).

Corrosion Resistant
 Various tests under harsh environmental conditions such as ammonia and salt mist passed.

Hyundai's Warranty Provisions

25-Year Product Warranty
 An original and non-transferable warranty and Energy Only.

25-Year Performance Warranty
 Global brand with powerful financial strength provides reliable 25-year warranty (Material and Energy Only).

Hyundai Energy Solutions
 Hyundai Energy Solutions Center is an accredited test laboratory of both IEC and VDE.

Hyundai Energy Solutions
 Hyundai Energy Solutions has strong power in providing high-quality PV products to more than 100 countries worldwide.

Certification

CE, IEC, VDE, TÜV, ISO 9001, ISO 14001

HYUNDAI ENERGY SOLUTIONS

Product Code: 500020

Electrical Characteristics

	Mono-Crystalline Module (HSE-S ₁ -HG(FR))			
	430	435	440	445
Module Output Power	430	435	440	445
Open-Circuit Voltage	45.9	46.7	46.6	46.5
Short-Circuit Current	12.00	12.00	12.00	12.00
Module Efficiency	20.4	20.5	20.6	20.6
Number of Power Diodes	12 (3)	12 (3)	12 (3)	12 (3)
Module Dimensions	212.4	212.4	212.4	212.4
Cell Type	PERC Mono-Crystalline Silicon Single-junction			
Temperature Coefficient of P _{max}	-0.38			
Temperature Coefficient of V _{oc}	-0.27			
Temperature Coefficient of I _{sc}	0.00			

Mechanical Characteristics

Dimensions	1700 x 1060 x 30 mm (67.31 x 41.73 x 1.18 in)
Weight	21.8 kg
Frame Color	Black, Silver, White, Matte-Black, Matte-Grey, Matte-White, Matte-Silver, Matte-Gold
Frame Material	Aluminum
Construction	Frame Glass, Tempered Glass, 2-Diodes, Encapsulation (EVA), Glass, Backsheet (PET)
Frame	Aluminum

Installation Safety Guide

- Only qualified personnel should install or service the module.
- Do not touch the front surface of the module.
- Do not handle or install modules when they are hot.

IV Curves

Module Diagram

Manufactured in: China

HYUNDAI ENERGY SOLUTIONS

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Pris per installerad panel

6550:-

Efter grönt bidrag.
Allt material ingår.

25 års Produktgaranti 25 års Effektgaranti

Installations och monteringsgaranti upp till 5 år

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