



Solar PV Module HON-M60-Perc

Honeywell Solar provides you modules with superior durability and best performance. Applicable for all purposes: from residential and commercial up to large power plants. Suitable for all types of environment.

Leading production technology and seamless monitoring of the production process and materials ensures durability of the Honeywell Solar module. We will give you the best returns on your investment.

Honeywell

www.honeywell-solar.com



ELECTRICAL CHARACTERISTICS

Maximum power (P _{mpp})	290	295	300
Open circuit voltage (V _{oc})	39.70	39.80	39.90
Maximum power voltage (V _{mpp})	31.87	32.07	32.19
Short circuit current (I _{sc})	9.71	9.74	9.82
Maximum power current (I _{mpp})	9.10	9.20	9.32
Module efficiency (%)	17.83	18.13	18.44
Power tolerance (W)		0 / +5	
Operating temperature	-40°C to +85°C		
Maximum system voltage	1000V / optional 1500V (ELT)		
Maximum series fuse rating	15A		

Measurements under Standard Test Conditions (STC) irradiance 1000W/m², AM1.5G spectrum and Cell Temperature 25°C

MECHANICAL CHARACTERISTICS

Cell type	60 Mono-crystalline cells, 156.75 mm x156.75 mm
Module dimension	1640 x 992 x 35 mm
Module weight	18 kg
Glass	3.2 mm, low iron tempered solar glass
Frame	Anodized aluminium alloy Type 6063 T5 black
Junction box	IP68, IEC certified
Cable	4.0 mm ² / 12 AWG, 1000 mm
Connectors	MC4 compatible

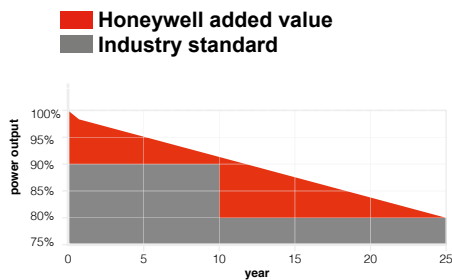
THERMAL CHARACTERISTICS

Nominal operating temperature (NOCT)	45 ± 2°C
Temperature coefficient of I _{sc}	+0.047 %/°C
Temperature coefficient of V _{oc}	-0.288 %/°C
Temperature coefficient P _{max}	-0.398 %/°C

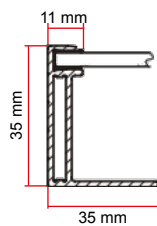
PACKAGING INSTRUCTIONS

Number of modules per box / pallet	30
Number of modules / 40' container	840

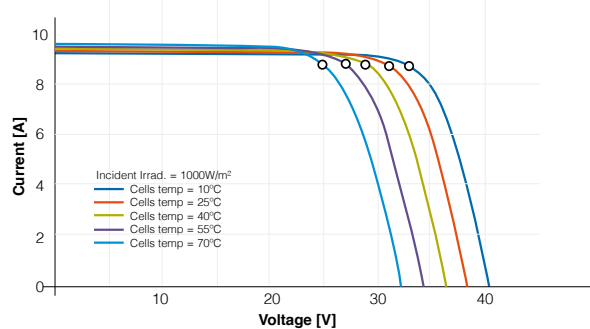
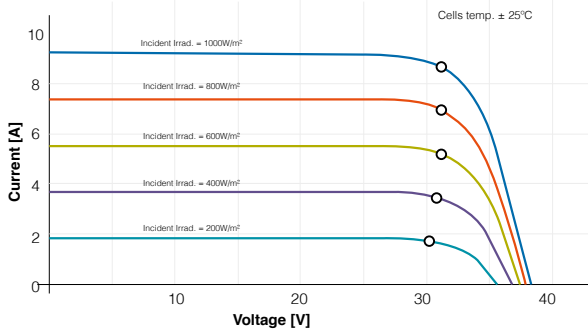
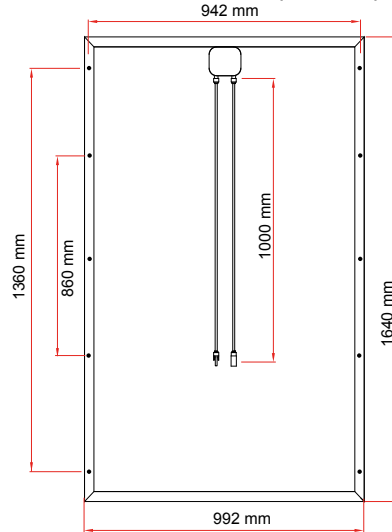
LINEAR PERFORMANCE WARRANTY



Frame dimensions (unit: mm)



Module dimensions (unit: mm)



Best performance at low irradiance, +97% relative module efficiency from an irradiance of 1000W/m² to 200W/m²

WARRANTY

12 years Product warranty

25 years Linear power output

PRODUCT OVERVIEW

- PID resistant**
- Excellent module efficiency**
- Positive power tolerance**
- 100% electroluminescence**
- Salt spray resistant**
for maritime environment
- Ammonia resistant**
for agricultural environment
- IP68 junction box**
for long time endurance
- Light weight**
easy to install
- Excellent low-light response**
- Snow load**
5400 pa
- Wind load**
2400 pa



IEC 61215
IEC 61730
IEC 61701
IEC 62716
IEC 62804



ISO 9001:2008
ISO 14001:2007
OHSAS 18001:2007

DISCLAIMER:

Honeywell Solar Modules reserve the right to make any adjustments to the information described in this datasheet. Specifications do not refer to a single model, and are subject to change without prior notice due to continuous improvement, research and product development.

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