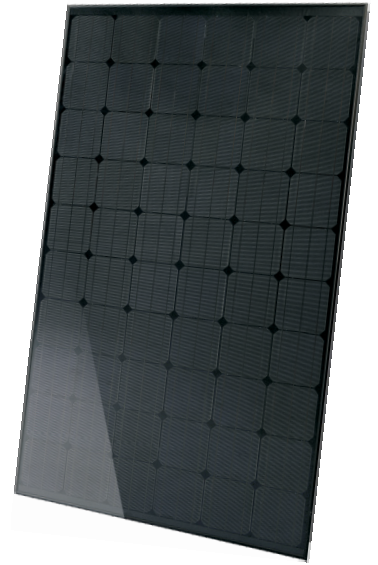




HONEY® (SERIES 501) 250-290W ALL-BLACK

HONEY® is a renewable technology company with its residential product portfolio specialising in performance and solutions for the built environment. This involves designing, engineering, and producing premium solar energy components, products, and solutions. Our comprehensive portfolio of systems and mounting structures cover all eventualities including Class 1 Wind locations. HONEY® systems can deliver on-grid, off-grid and private grid solutions from residential to industrial. All residential panels are all-black as are all residential mounting systems. Long life and high performance are validated daily with detailed management and operational data.



Monocrystalline Silicon Solar Module

17.4% -18.8%
Cell Efficiency

12 years
Product Warranty

0-3%
Power Tolerance

All Black



Performance

High output and efficiency even under low light conditions



Versatility

Salt mist corrosion tested, perfect for harsh climatic conditions



Reliability

Durable and reliable solar panels due to stringent quality control measures, testing and strict selection of raw materials and components. PID free (TUV certified)



Design and Innovation

HONEY is committed to innovation and constantly working to provide the next breakthrough in solar technology: the new All Black panel is an example of this commitment.

Power Warranty



80% Power Output Warranty



90% Power Output Warranty



Material & Workmanship Warranty

Qualifications & Certifications

IEC 61215, IEC 61730, CE, IEC 62804 (PIO Free), UL 1703, J-PEC, PY CYCLE, IEC/EN 61701, IEC 62716



Electrical Performance

Module type	HONEY-260W-60							
Power output	P_{max}	W	250	255	260	265	270	
Power output tolerances	ΔP_{max}	%	0-3					
Voltage at Pmax	V_{mpp}	V	30.49	30.92	31.18	31.48	31.73	
Current at Pmax	I_{mpp}	A	8.20	8.25	8.34	8.42	8.51	
Open-circuit voltage	V_{oc}	V	38.00	38.10	38.20	38.31	38.42	
Short-circuit current	I_{sc}	A	8.78	8.84	8.92	8.96	8.99	
Cell Efficiency			17.79	18.15	18.50	18.86	19.22	
Module Efficiency			15.37	15.67	15.98	16.29	16.60	

STC: 1000W /m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.

Thermal Characteristics

Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of Pmax	γ	%/°C	-0.45
Temperature coefficient of V _{oc}	B_{voc}	%/°C	-0.34
Temperature coefficient of I _{sc}	α_{ise}	%/°C	0.06
Temperature coefficient of V _{mpp}	B_{vmpp}	%/°C	-0.40

Operating Conditions

Max. system voltage	1000V _{DC}
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact (diameter/velocity)	25mm 23m/s

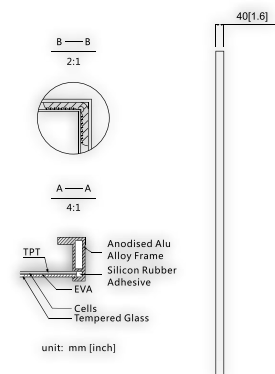
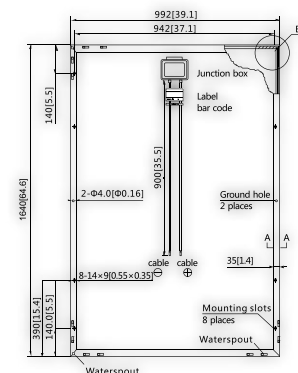
Mechanical Characteristics

Front cover (material / thickness)	low-iron tempered glass/ 3.2mm
Backsheet (color)	black
Cell (quantity/ material / dimensions)	60 monocrystalline silicon / 156 x 156mm
Frame (material / color)	anodized aluminum black
Junction box (protection degree)	>IP65
Cables & Plug connectors	900mm 4mm' & MC4 compatible / IP67
Module Dimensions (L / W / H)	1640mm x 992mm x 40mm
Module Weight	18.1kg

Packing Details

Container	20'GP	40'HQ
Pieces per pallet	52	58
Pallets per container	6	14
Pieces per container	312	812

Module Diagram:



Electrical Curves:

