





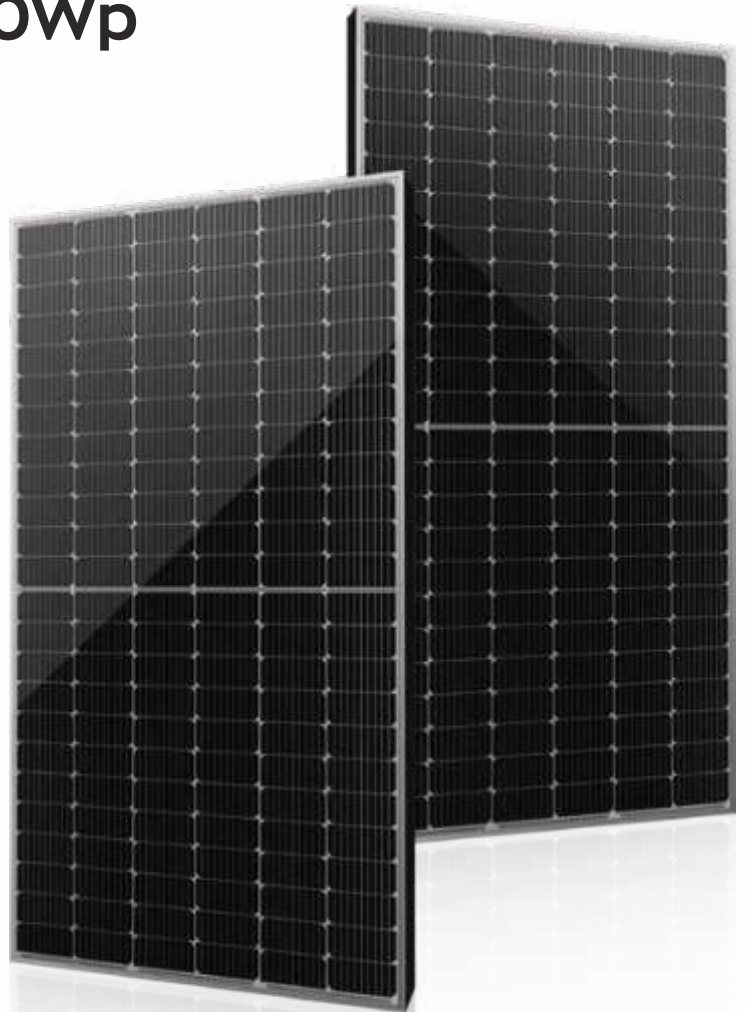
DESIGNED IN ITALY

Hawker Pro 530-550Wp

High performance solar module
144 halfcell, monocrystalline

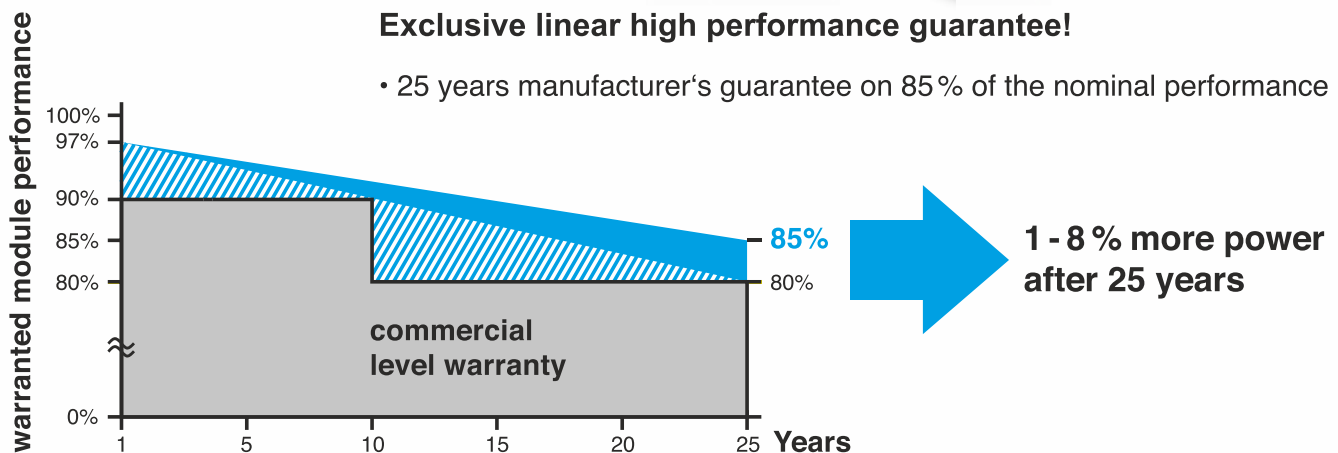
The advantages:

-  25 years manufacturer's warranty
-  Highest module performance through Half-Cut-technology and tested materials
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  Maximum 2400 Pa snow load
-  100% electroluminescence inspection
-  High quality junction box and connector systems



Exclusive linear high performance guarantee!

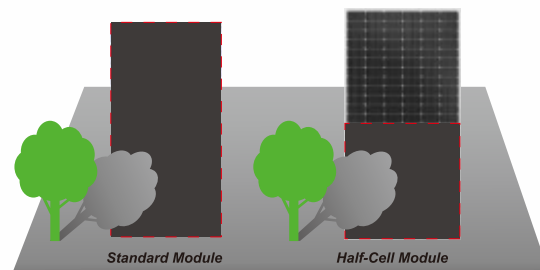
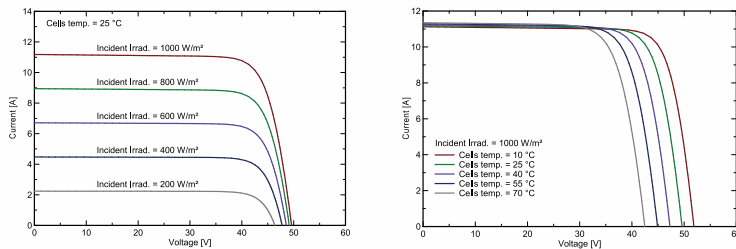
• 25 years manufacturer's guarantee on 85% of the nominal performance



Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1,5 at a cell temperature of 25°C)

Type	Nominal output P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	Module conversion efficiency
NB-530BMA-HV	530 Wp	41,00V	12,93A	13,58A	49,20V	20,51%
NB-535BMA-HV	535 Wp	41,20V	12,99A	13,64A	49,44V	20,70%
NB-540BMA-HV	540 Wp	41,40V	13,04A	13,69A	49,68V	20,89%
NB-545BMA-HV	545 Wp	41,60V	13,10A	13,76A	49,92V	21,09%
NB-550BMA-HV	550 Wp	41,80V	13,16A	13,82A	50,16V	21,28%

I-V Curve



Design

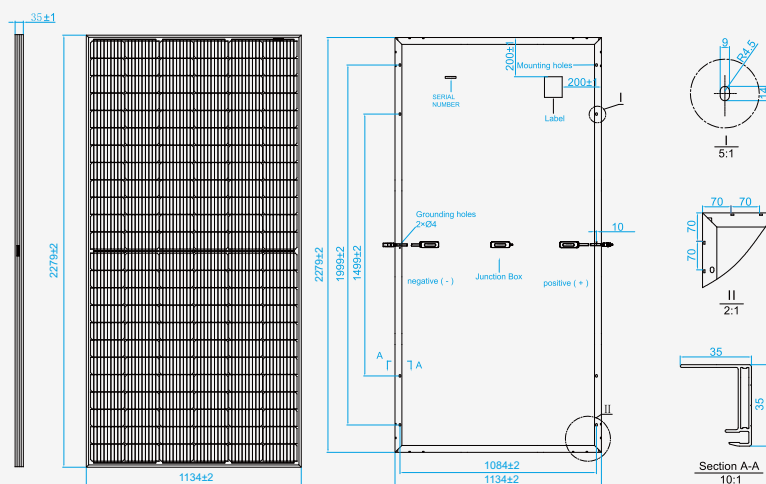
Frontside	3,2 mm hardened, low-reflection white glass
Cells	144 monocrystalline high efficiency cells
Backside	Composite film
Frame	35 mm silver aluminium frame

Mechanical data

L x W x H	2279 x 1134 x 35 mm
Weight	29,0kg with frame

Power connection

Socket	Protection Class IP68
Wire	approx. 1,2 m, 4 mm ²
Plug-in system	Plug/socket IP68, Stäubli EVO2 / EVO2 pluggable



All dimensions in mm

Limit values

System voltage	1500V~2000V DC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	2400 N/m ²
Reverse current feed IR	20,0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than U_{oc} may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1,5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

Voltage U _{oc}	-0,27 %/K
Current I _{sc}	0,048 %/K
Output P _{mpp}	-0,35 %/K

Low-light performance

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2,24 A	40,05 V
400 W/m ²	4,51 A	40,51 V
600 W/m ²	6,74 A	40,82 V
800 W/m ²	8,91 A	41,17 V
1000 W/m ²	10,94 A	41,61 V

Packaging

Module pieces per pallet	31
Module pieces per HC-container	620