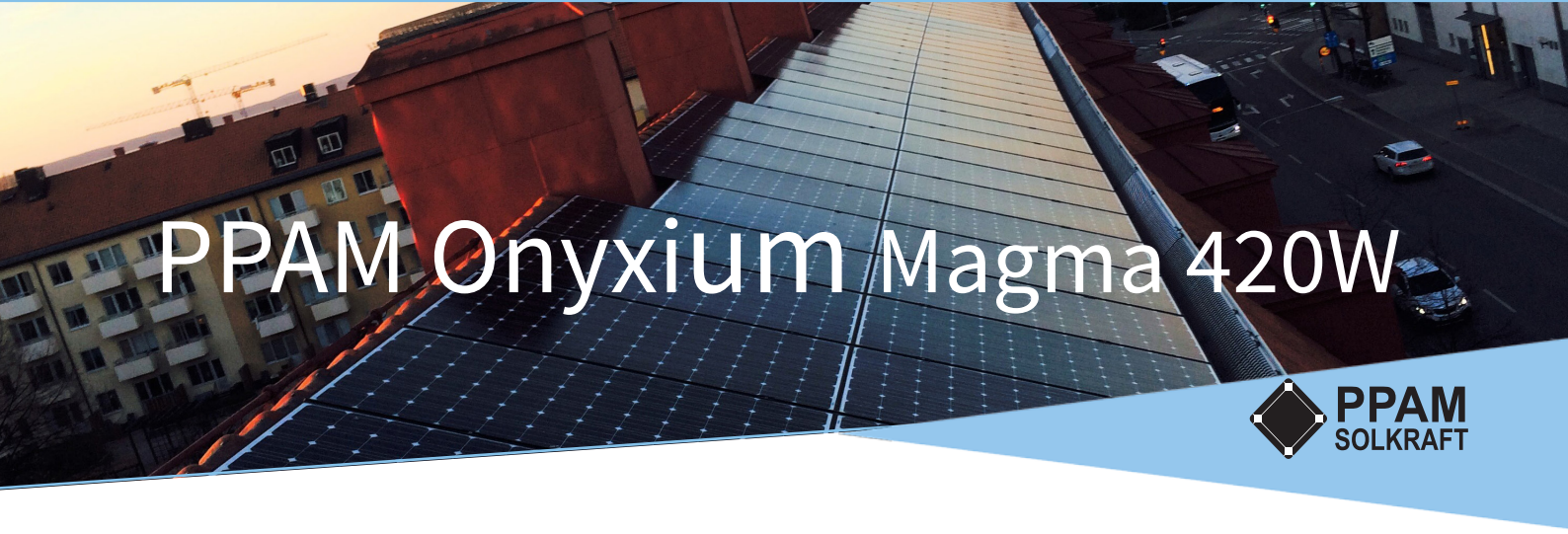
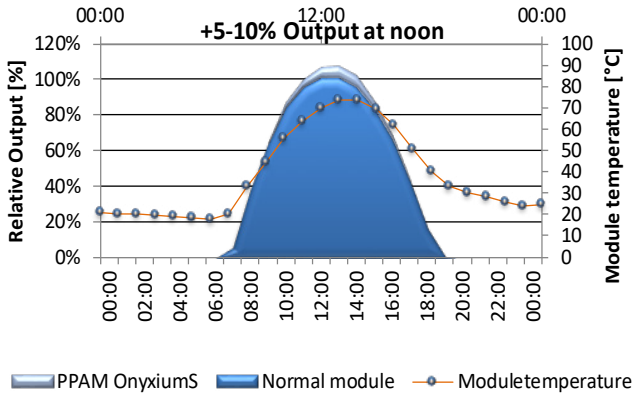


PPAM Onyxium Magma 420W

PPAM SOLKRAFT

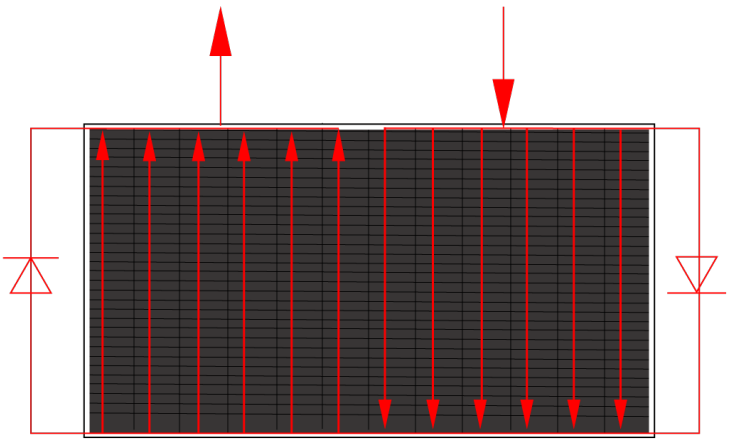
The best of two worlds

Swedish engineering is a quality trademark you can trust. When combined with high quality solar cells from China, in the Onyxium-S, high yields are reached with good thermal properties at low installation costs. Onyxium-S is produced using only high quality raw materials from leading suppliers. Onyxium-S is ideal for residential buildings, on facades, rooftops and large scale solar power systems.



Available as an option

PPAM uses high efficiency solar cells with substantially higher low-light performance and best thermal properties. Integration of monitoring, safety, optimization and/or long strings available in integrated junction box.



Electric design for minimum loss of shading.

Quality & Warranty

The quality is assured by several quality control check points and tested prior to delivery. A final test is conducted in a solar tester, where the modules are tested under Standard Test Conditions (STC 1000W/m^2, AM 1.5, 25°C). Every modules test data is stored in our database with a unique serial number.

PPAM.se offer a product warranty of 12 years and a 25 year performance warranty for 80 % power output on all standard products.
We are certified in accordance with:
EN IEC 61215 (design qualification and type approval)
EN IEC 61730 (safety qualification)
SS-EN ISO 9001:2008 (Quality Management System)

013-39 20 40 info@ppam.se ppam.se PPAM Solkraft

Electric properties.(STC 1000W/m2, 25°C, AM1.5)

Model	PPAM Magma
Max. Power [Pmax]	420Wp
Open circuit Voltage [Voc]	45,5V
Max. Pow. Voltage [Vmpp]	37,7 V
Short Circ.Current [Isc]	11,51 A
Max. Pow. Current [Impp]	11,14 A
Power Tolerance	0/+5%
Module Efficiency	20.25%

Physical properties

Celltype	Monocrystalline
Cell dimensions	156x30mm
Diodes per module	2
Frame	Anodized Aluminum
Maximum System Voltage	1000 V
Module Weight	24kg 1940x1069x40mm
Module Dimensions	-40°C to +85°C
Tested temp. conditions	550 kg/m² front only (snow)
Max load	245 kg/m² back & front (wind)

Thermal properties

NOCT	42,3 °C
Voltage Temp. Coefficient	-0.31%/K
Current Temp. Coefficent	+0.05 %/K
Power Temp. Coefficent	-0,40%/K

PID-FREE UL-CCIC test report: 12CA63536

PPAM.SE Sweden AB reserves the right to make specification changes without prior notice. Please contact your nearest supplier/distributor or visit our website to obtain the latest specification sheet.

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