



Protect the climate. With the new solar roof system from Sharp



As elegant as an in-roof system, as sound as an on-roof system

HAMBURG ROOF is a complete photovoltaic system manufactured by Sharp for various types of private residential properties throughout Europe.

There are currently two HAMBURG EuroKITS available to suit different kinds of roofs. What is so special about this system? HAMBURG ROOF combines the best of both worlds – the technical know-how of an



on-roof system with the looks of an in-roof system. The PV modules are installed directly into the roof cladding of sloping roofs. In contrast to customary on-roof systems, these EURO Kits are integrated elegantly into the roof. Thanks to its water-bearing layer, this first-class system can replace, for example, pantiles, shingles or roof tiles in both new and old properties.

Top quality from Sharp Solar

- Sharp, a photovoltaics pioneer, can point to more than 50 years of experience in solar power. The solar cells and modules manufactured by Sharp deliver a total output of more than 3 GWp, making Sharp one of the world's leading manufacturers of premium-quality monocrystalline and polycrystalline modules as well as thin-film modules.

Product features

- HAMBURG ROOF is currently available in two sizes featuring 8 or 16 Sharp modules with an output ranging from 1.44 to 2.88 kWp.
- HAMBURG ROOF comes with high-performance monocrystalline modules for extremely high power yields from south-facing roofs.
- All components supplied by first-class manufacturers: modules from Sharp, inverters from Fronius and SolarMax, installation system from SEN – and all built to match.
- Quality-tested to European technical standards, GS, VDE and MCS-certified.

Advantages of HAMBURG ROOF

- Black module surface installed level with the roof for an elegant look
- Anodized black installation system matches the monocrystalline solar modules.
- Double benefit: conventional roofing can be dispensed with and clean solar power can be generated from your own rooftop.
- Optimum protection against rain.
- Built-in protection against theft.

Modules – guarantee

- 5-year product guarantee
- 10-year guarantee of 90 % output
- 25-year guarantee of 80 % output

For details of our guarantee terms and further information please visit:

www.sharp.eu

Modules

Monocrystalline



High output in a limited space

- Monocrystalline PV modules from the NU series are made of premium black solar cells comprising a single silicon crystal with a regular structure.
- Monocrystalline modules generate a particularly high energy yield on small south-facing roofs.
- Attractive dark module surface.
- Rated power of 180 W for NU module.

Inverters	Fronius IG 15	Fronius IG 30	SolarMax 3000S
PV system power (Wp)	1,300 – 2,000	2,500 – 3,600	2,500 – 3,300
Rated power (W)	1,300	2,500	2,500
Max. efficiency (%)	94.2	94.3	97.0
Dimensions L × W × H (mm)	500 × 435 × 225	500 × 435 × 225	545 × 185 × 290
Weight (kg)	12	12	13
Type of protection	IP45 (outer housing)	IP45 (outer housing)	IP54 (outer housing)

Installation system

SEN SOL-50



- Technically and visually first-rate; easy to plan.
- High-quality materials which are corrosion-resistant (aluminium/stainless steel) meet high demands and guarantee a long life.
- End panels and profile end caps ensure a harmonious frame appearance as well as optimum ventilation and protection against snow.
- Easy to install: the modules are interlocked in the system in a stress-free manner.
- Safe drainage and rear ventilation by means of special horizontal profiles avoid damage to the modules from frost and corrosion.
- Protected cable installation in the horizontal and vertical profiles.



HAMBURG ROOF	EuroKIT 1	EuroKIT 2
Rated power	1.44 kWp	2.88 kWp
Modules	8 × monocrystalline NU-180 (E1)	16 × monocrystalline NU-180 (E1)
Inverters	Fronius IG 15	Fronius IG 30 or SolarMax 3000S
Direction of roof (recommended)	south	south
Dimensions	5,743 × 2,432 mm	5,743 × 4,468 mm

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