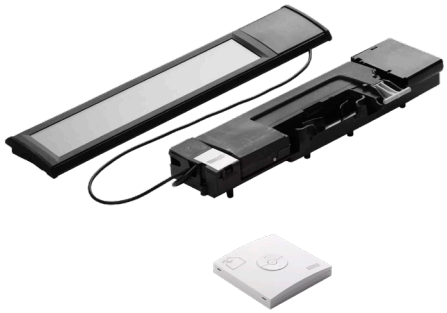
VELUX solar upgrade kit KSX 100K



3 Year Guarantee

Make your manually top-operated VELUX sloped roof window solar-powered with the VELUX solar motor upgrade kit KSX. The kit includes a window operator, solar cell, battery and wireless wall switch; and features an integrated rain sensor that automatically closes the window in the event of rain. The solar upgrade kit requires no additional wiring.

- Easily upgrade your manual VELUX centre-pivot roof window to a motorised window without the need for wiring.
- Rain sensor automatically closes the window in the event of rain.
- Entrapment control detects objects in the path of the window.
- Freely choose between manual or motorised operation of the window.
- Easily control your roof window with the wireless wall switch that offers simple open/close/stop functionality.
- Compatible with VELUX ACTIVE with NETATMO for a better indoor climate with sensor-based ventilation. Remote controlled via smartphone or voice.
- The motor is hidden in the top cover and totally invisible from view.

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Technical information

VELUX solar upgrade kit KSX 100K	**Material and colour**	Window operator: PBT with glass fibre, black (NCS S 9000-N) and stainless chain Solar cell: ASA with glass fibre, black (NCS S 9000-N), with ASI 3 solar cell Rain sensor: PC with glass fibre, black (NCS S 9000-N) Wall switch: ABS plastic, white (NCS S 1000-N)
	Size and weight description	Kit including packaging: 593 x 166 x 128 mm, 2.9 kg
	Installation and use	The window operator and the battery are concealed in the top cover and function at temperatures between -10°C and +60°C. Radio frequency range: 200 m free field. Depending on building construction, the indoor range is approximately 20 m.
	Window opening	Max 200 mm within 35 seconds
	Power consumption	Window operator: 90 uA standby, supplied by the battery
	Compatibility	KSX 100K is designed for manually operated roof windows GGL and GGU. However, it cannot be installed in small windows with size codes below height -K-4 as the window operator chain will be too long. KSX 100K is based on radio frequency (RF) technology, 868 MHz range, and is compatible with other products with the io-homecontrol® logo. Subsequent installation of VELUX Solar roller shutter SSL is only possible if the window width is FK--, MK--, PK--, SK-- or UK-- and the window height is minimum -K-4. Only these sizes have enough room for the solar cell on the roller shutter top casing. Subsequent installation of VELUX Solar awning blind MSL-VA is possible when installing adaptor plate kit ZOZ 213K. For MSL and SSS-SA the adaptor kit ZOZ 246 is needed for width CK + FK. Please note that roller shutter and awning blind must be io-homecontrol® labelled to be compatible with the control pad for the solar roof window. If interior solar decoration and sunscreening products are combined with roller shutter SSL or awning blind MSL, the battery recharging capability of the decoration and sunscreening products will be reduced. Connection to non-compatible products may cause damage or malfunction. In V21 and VES roof windows, conversion kit KSX 100 WW must be used.
	Connection	Powered by solar energy.
Pre-paired wall switch	**Materials**	ABS plastic, white (NCS S 1000-N)
	Size and weight description	8.2 cm x 8.2 cm x 1.7 cm, 0.125 kg.
	Installation and use	The wall switch is for indoor use only, between a minimum ambient temperature 5 °C and a maximum ambient temperature 45 °C. It can be used in a dry or humid environment (such as a living room or a bathroom). Radio frequency range: 300 m range open field. Depending on the building construction, the indoor range is approximately 30 m.
	Power consumption	2 x alkaline AAA (1.5V) batteries Expected battery lifetime: Up to 1 year.
Integrated rain sensor, solar	**Materials**	PC with glass fibre
	Size and weight description	N/A
	Power consumption	N/A
Solar panel	**Materials**	ASA with glass fibre, black (NCS S 9000-N), with ASI 3 solar cell
	Size and weight description	Solar cell incl. rain sensor: 520 x 20 x 88 mm (W x H x D), 0.4 kg

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Window operator, solar	**Materials**	Motor casing of polybutulene terephthalate (PBT) with glass fibre, black (NCS S 9000-N). Stainless steel chain.
	Size and weight description	370 x 50 x 110 mm (W x H x D), 1.2 kg
	Power consumption	90 uA standby, supplied by the battery. High performance battery, 10.8 V d.c., NiMH, type VELUX. Recharged continuously by the solar cell. A fully charged battery allows up to 300 operations without recharging. Expected battery lifetime of the solar powered window operator: Approximately 10 years.
	Motor capacity	Traction capacity: Min 225 N Pressure capacity: Min 150 N