IP65

Colour

NVG

Emergency power supply unit
The NVG – emergency power supply unit – is a direct voltage supply unit with integrated battery for operating one or two luminaires. The use of emergency power supply units allows general lighting luminaires to be integrated into the safety lighting system in acc. with EN 50172.
The NVGs have two outputs. Only one single luminaire is to be operated at an output. If required, the entire NVG power can be switched to one output.
In the mains operation, the luminaires can be individually switched from non-maintained to maintained mode. The switching inputs in the NVG undertake switching either singly or collectively.
The connected luminaires must be suitable for operation under alternating and direct voltage.
The NVG consists of two separate housings (electronic and battery housings). The electronics have an automatic testing appliance in acc. with EN 62034. The mere fault of a luminaire at the NVG is displayed via the status LED and in the case of bus-monitored systems is signalled at the main control unit.
A high-quality, sealed lead-acid battery with an expected service life of more than 10 years (battery design life at +20°C) is used as the battery.



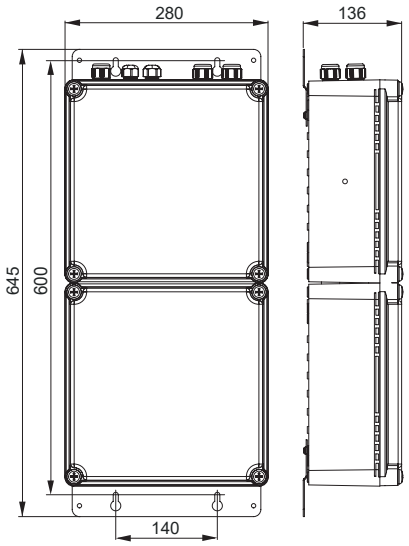
Equipment

- Max. output 2 x 30W or 2 x 60W for 1h/3h
- Max. output 2 x 10W or 2 x 20W for 8h
- 2 outputs (one per light) - total power can also be switched to one output
- 2 separate housings (one each for electronics and battery)
- Electronics with automatic test setup - Errors are displayed via status LED or reported to control panel (SL und SWX)
- High quality lead acid battery with life expectancy of 10 years (Design Life of the battery at +20°C)

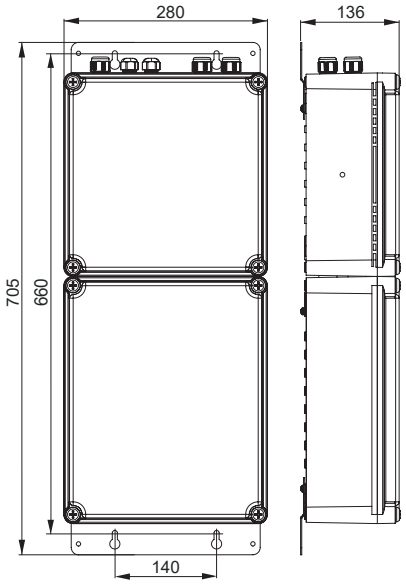
Technical specifications

Power supply	1/N/PE AC 50Hz 230V
System voltage	24V DC / 230V AC / DC
Output terminals	1.5 mm² to 2.5 mm²
Material	ABS
Colour	light grey
Mounting type	Wall mounting
Ambient temperature	0°C to +35°C
Max. cable length NVG <-> luminaire	300 m
Dimensions Variant 1 (W x H x D)	280 x 645 x 136 mm
Dimensions Variant 2 (W x H x D)	280 x 705 x 136 mm
Protection class	IP65
Safety class	I

Variant 1



Variant 2



Technical changes reserved / 15.11.2026

Variants

Productname	Battery duration	Housing	Power	Batteries	Capacity	Weight
NVG EB-SC 2 x 30W / 1 x 60W	1h	Variant 1	2x 30 W / 1x 60 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SL 2 x 30W / 1 x 60W	1h	Variant 1	2x 30 W / 1x 60 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SWX 2 x 30W / 1 x 60W	1h	Variant 1	2x 30 W / 1x 60 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SC 2 x 30W / 1 x 60W	3h	Variant 1	2x 30 W / 1x 60 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SL 2 x 30W / 1 x 60W	3h	Variant 1	2x 30 W / 1x 60 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SWX 2 x 30W / 1 x 60W	3h	Variant 1	2x 30 W / 1x 60 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SC 2 x 10W / 1 x 20W	8h	Variant 1	2x 10 W / 1x 20 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SL 2 x 10W / 1 x 20W	8h	Variant 1	2x 10 W / 1x 20 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SWX 2 x 10W / 1 x 20W	8h	Variant 1	2x 10 W / 1x 20 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SC 2 x 60W / 1 x 120W	1h	Variant 1	2x 60 W / 1x 120 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SL 2 x 60W / 1 x 120W	1h	Variant 1	2x 60 W / 1x 120 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SWX 2 x 60W / 1 x 120W	1h	Variant 1	2x 60 W / 1x 120 W	2x 12 V	24 Ah	12,8 kg
NVG EB-SC 2 x 60W / 1 x 120W	3h	Variant 2	2x 60 W / 1x 120 W	4x 12 V	48 Ah	20,8 kg
NVG EB-SL 2 x 60W / 1 x 120W	3h	Variant 2	2x 60 W / 1x 120 W	4x 12 V	48 Ah	20,8 kg
NVG EB-SWX 2 x 60W / 1 x 120W	3h	Variant 2	2x 60 W / 1x 120 W	4x 12 V	48 Ah	20,8 kg
NVG EB-SC 2 x 20W / 1 x 40W	8h	Variant 2	2x 20 W / 1x 40 W	4x 12 V	48 Ah	20,8 kg
NVG EB-SL 2 x 20W / 1 x 40W	8h	Variant 2	2x 20 W / 1x 40 W	4x 12 V	48 Ah	20,8 kg
NVG EB-SWX 2 x 20W / 1 x 40W	8h	Variant 2	2x 20 W / 1x 40 W	4x 12 V	48 Ah	20,8 kg