



Power Supply
with innovative back-up Systems





Advantages of ecolights back-up Systems

Conventional operation:

- operating safety for small and medium scale systems
- no maintenance costs
- ease of assembly
- rugged design
- environmental-friendly

Solar operation – additional:

- self-contained power supply

Safer office and system operations

Ecolights has succeeded in filling a safety loophole in the form of back-up systems to maintain the electric power supply. The innovative technology from ecolights can be used in all contexts where occasional power failures represent a risk; in commercial, private or communal settings. Examples include the supply of traffic control systems, signal and radio plants, offices, technical devices in smaller and mid-sized companies, medical wards and waterworks in rural regions, etc.

Uncomplicated and eco friendly

Back-up solutions function in a way that is as easy as it is convincing. In the event of a power failure, the system automatically powers itself from the storage battery. This transition takes place perfectly smoothly, so that no operation failure takes place. The supply also changes automatically and without causing any disruption when network operations are resumed. Additionally, the storage batteries are re-charged. The battery system is distinguished by a high level of power accumulation, a long lifespan and being maintenance-free and completely re-

cyclable. It is possible to cover up to 50% of the daily requirement using back-up systems which fall back on network electricity for re-charging purposes, this dependent on demand and power consumption.

Power supply without a network

In areas without a network power connection, solar modules and generators are used in energy generation. The assembly of modules and storage battery housings is carried out using the greatest possible anti-theft and anti-damage security measures. Solar-operated power generation systems from ecolights can substitute up to 100 % of the power supply, depending on available solar radiation levels and the system's design. Give us a call. We are at your service!

ecoliGhts –

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Examples of application*) for ecolights (solar) back-up solutions	Solar panel (without grid connection)	Battery capacity	Ø Electric power consumption	Ø Back-up- power supply
Traffic control systems with LEDs	8 m ² (Equatorial region) – 12 m ² (Mediterranean)	400 Ah	120 VA x 24 Std./t	20 hours
Signal and radio plants	10 m ² – 14 m ²	500 Ah	150 VA x 24 hours/t	30 hours
Small-sized rural medical clinics	14 m ² – 22 m ²	1 200 Ah	300 VA x 24 hours/t	35 hours
Office with 5 workstations	12 m ² – 18 m ²	800 Ah	500 VA x 8 hours/t	15 hours
Office with 20 workstations	40 m ² – 56 m ²	3 200 Ah	2000 VA x 8 hours/t	15 hours
Small-sized rural schools with 2 computers	4 m ² – 6 m ²	350 Ah	250 VA x hours/t	10 hours
Water pumping-station in rural regions	6 m ² – 10 m ²	500 Ah	150 VA x hours/t	30 hours

*) Technical components will be chosen according climatic conditions at the location.