

LED battery-powered floodlight (50W, 5000lm, IP54)

User manual S21-MBA-50

Item number 249821

This manual describes the installation, operation, and safety of the portable LED battery-powered floodlight. Please keep it for the entire life of the product and include it if you pass it on to someone else.

Contents

1. Intended Use
2. Safety Instructions
3. Scope of Delivery
4. Technical Specifications
5. Assembly & Commissioning
6. Operation
7. Operating Instructions
8. Maintenance & Cleaning
9. Troubleshooting
10. Disposal & Recycling
11. EU Conformity
12. Warranty & Support
13. Packaging Data

1. Intended use

Portable LED floodlight for temporary illumination of indoor and outdoor work areas. Suitable for dry and humid environments according to IP54 protection rating. The product is designed for operation with an external, rechargeable 18-20V battery. The device does not have a mains charging function.

2. Safety instructions

- Turn off the device and remove the battery before each use.
- Only use compatible 18-20V batteries. Do not use damaged or wet batteries.
- Do not operate in potentially explosive areas or near flammable materials.
- Do not cover; ensure adequate heat dissipation.
- Do not use the device as a toy. Keep out of reach of children.
- Only operate the device within a temperature range of -10°C to +40°C.
- Do not open the housing or seals; do not make any unauthorized modifications.
- Do not use if there is visible damage (cracked housing, broken cable, moisture inside).
- Use only dry cloths for cleaning. Do not use solvents or high-pressure cleaners.
- Use the USB output (5V/2A) only to charge external devices; do not keep the device waterproof during operation.

3. Content

- LED rechargeable floodlight (main unit)
- Operating instructions
- **Note:** Battery and charger not included (device has no charging function).

4. Technical data

Parameter	Value
Dimensions	80 × 145 × 320mm
Material	Engineering Plastics
Shock resistance	IK08
Protection	IP54 (dust and splash-proof)
Protection class	II (double/ reinforced insulation)
Temperature range	-10°C bis +40°C
Certificate	CE,EMV
EEL	F
Light source	SMD 2835, 300 pcs.
Module parameters	9V / 100mA.
Input	AC 220–240V / DC 18V (intern System; Operation via 18-20V battery)
Rated power	50W
Power factor	> 0,9
Total luminous flux	5000lm ±10% (6500K, LED-Modul)
Useful luminous flux	5000lm ±10 % (6500K, LED-Modul)
Color reproduction	Ra ≥ 80
Color temperature	6500K
System efficiency	≈ 100lm/W
Design life	3 years*
Operating modes	25% / 50% / 75% / 100% / Aus
Battery type	18–20V Battery (not included)
Loading time	— (no charging function in the device)
Operating time with 18 V / 5 Ah	ca. 1,5 h / 2,3 h / 3 h / 6 h (depending on mode)
USB output	5V / 2A

* Depending on operating conditions and type-appropriate use

5. Assembly and commissioning

- 1) Place the device on a stable, level surface or mount it properly (using a bracket).
- 2) Insert a compatible 18-20 V battery into the battery compartment until it clicks into place.
- 3) Turn the device on using the control button; select the desired brightness level.
- 4) To turn the device off, press the button several times until "Off" is reached, or remove the battery.

6. Operation (brightness levels & USB)

The button cycles through 25% 50% 75% 100% Off. The USB port (5 V / 2 A) is used to charge external devices. Ensure the USB cover is properly closed when the port is not in use.

7. Operating instructions (environment & protection classes)

IP54: protected against harmful dust and splash water from all directions. IK08: increased impact protection.
Protection Class II: double/reinforced insulation; no protective conductor required.
Operate only within the specified temperature range.

8. Maintenance and cleaning

- Disconnect the device from the power supply and remove the battery.
- Clean the housing with a soft, slightly damp cloth.
- Do not use abrasive or aggressive cleaning agents.
- Regularly visually inspect seals; contact service if damaged.

9. Troubleshooting

Problem	remedy
Light cannot be switched on	Is the battery charged and inserted correctly? Are the ambient conditions within the permissible range?
Kurze Laufzeit	Battery capacity too low or old; Select a lower brightness level.
USB lädt nicht	Check the USB cable; ensure the output is 5V/2A; avoid moisture.

10. Disposal & Recycling

Do not dispose of in household waste. Dispose of the product separately (WEEE).
Remove rechargeable batteries and batteries and recycle them according to local regulations.

11. EU conformity (summary)

This product meets the essential requirements of Directives 2014/35/EU (Low Voltage Directive), 2014/30/EU (EMC), and 2011/65/EU (RoHS), as amended.
Conformity has been assessed based on harmonized standards (including EN 60598-1, EN 60598-2-5, EN 55015, EN 61547, EN 61000-3-2/-3). The complete EU declaration of conformity is available from the manufacturer.

12. Warranty and Support

Warranty conditions apply according to national law. For service and spare parts, contact the manufacturer/importer.
Please have the model, article number, production date/batch, and proof of purchase ready.

13. Packaging data

Inner box (L×W×H) / Individual net weight: 38,8 × 14,8 × 32,5cm / 2,8kg
Outer carton (L×W×H) / PU: 661,5 × 40,3 × 34,5cm / 4 pcs./Karton
Total N./G. weight: 11,2kg / 13,8kg

Manufacturer/Importer (for EU)

SYNERGY 21
A Brand of ALLNET GmbH

Maistraße 2 - 82110, Germering, Germany
synergy21@allnet.de Tel.: 089 / 894 222 22

