

OptimAir Mask-Mounted PAPR (Kit P/N 10095165)

Charging Battery Pack

Charger

The battery pack must be fully charged before the respirator is first used. Use only the battery charger from MSA. Other chargers can damage the battery due to internal wiring differences or incorrect charging rates.

Certified ambient charging temperature range: 0°C (32°F) ≤ Tamb ≤ +40°C (104°F).

A battery pack should be stored at a temperature range of 50°F to 85°F. If the battery pack has been stored in a “full charged” condition for more than one week, the battery pack should be charged until a full charge is indicated.

WARNING!

- Do NOT charge the battery pack where there are explosive concentrations of combustible gases, vapors, or mists. An explosion or fire can result. Replace the charger if the cord is damaged or worn, or if the case is cracked or distorted.
- Do NOT use a damaged charger. Doing so can result in serious personal injury or death, or create a fire hazard.
- Use only the battery charger from MSA.
- Only charge battery packs indoors.
- Keep battery pack and battery charger dry. Do NOT disassemble, repair, or alter battery pack or battery charger. Do NOT immerse in water or other liquids.
- Do NOT expose the battery pack or battery charger to high temperature or heating equipment including, but not limited to, direct sunlight and water heaters. Overheating may cause an explosion.
- Do NOT drop, crush or puncture the battery pack or battery charger. Damage from such occurrences can lead to short-circuit and overheating of the equipment.

Failure to follow these warnings can result in serious personal injury or death.

1. Line up the key in the charger cable plug with the slot in the female connector on the battery pack.
2. Push the plug into the female connector and turn the ring to secure it.
3. Plug the charger into a 100-240VAC, 50,60 Hz, (standard AC) outlet

CAUTION!

Voltage lower than 100V are not recommended. Voltages greater than 240V will damage the battery charger and battery pack.

Failure to follow this caution can result in battery or equipment damage.

4. Charge the battery pack until a full charge is indicated.

LED Signaling

Condition	LED Indication
No Battery	Yellow
Charge Initialization	Yellow
Rapid Charge	Orange
Charge Top-Off	Green/Yellow
Trickle Charge	Green
Charge Error	Orange/Green

The charger uses one LED. When the battery is charging, the LED will be orange. When the LED is green, the battery is fully charged. The battery can stay connected to the charger until it is needed. If the LED is yellow, the battery is either not connected or not at the proper temperature. The charging will start when the battery pack reaches the optimum charging temperature of 35°F to 100°F. If the LED is flashing orange/green, there is a failure. Disconnect the battery pack and unplug charger. Plug charger back into outlet and reconnect battery pack to reset charger. If LED is orange/green during any part of the charge, after it has been reset, remove the battery from service.