Product Data Sheet

2600-02 Single and 2602-06 6-Gang Chargers

2600-02
Single Charger

2602-06
6-Gang Charger

NOTE

For the MAXAIR 2782-06 Cart, the 2602-06 6-Gang Charger is integrated into the Cart under the left-front of the top work surface.

The MAXAIR® Systems 2600-02 Single Charger and 2602-06 6-Gang Charger provide recharging capability for all MAXAIR Powered Air Purifying Respirator (PAPR) System's Li-Ion Batteries.

Indications for use

The MAXAIR® Systems 2600-02 Single Chargers and 2602-06 6-Gang Chargers are to be used to recharge any MAXAIR Systems Li-Ion Batteries when the Battery Charge Level is not adequate to safely continue powering the MAXAIR System. This may be determined by noting when the MAXAIR Helmet Safety Indicator LEDs no longer have at least 2 of the 3 Green LEDs lighted.

WARNING

Before use, always read and follow the Ensure Readiness Program at www.maxair-systems.com>Support>Ensure Readiness Program.

Before powering up a MAXAIR Charger and before connecting a MAXAIR Li-Ion Battery to a MAXAIR Charger, ensure the following conditions:

- All MAXAIR Chargers should only be used in an isolated area away from patients, other activities, and away from any flammable materials, and where the oxygen content is between 19.5% and 25%.
- Inspect the charger for damage before every use. Do not use if damage is apparent or suspect.
- A battery should be connected to a charger only until the Charger LED turns Green indicating a fully charged Battery.
- When the Charger LED turns Green, the Battery should be disconnected from the Charger.

CAUTION

1. Chargers are designed for indoor use only and should not come into contact with water or excessive dust. To prevent overheating, chargers should not be covered during use.
2. The mains socket should be easily accessible. In the event of operational error, the charger plug should be immediately removed from the socket.
3. MAXAIR Chargers are designed for use with MAXAIR Lithium-Ion Batteries. For safety reasons, these Chargers must be used only for MAXAIR Batteries which have the right number of cells in series: Output voltage divided by 4.1V or 4.2V.
4. Chargers contain dangerous voltages and their covers should not be removed.
5. All recommended maintenance work should be carried out by qualified personnel who can get assistance by contacting the manufacturer's agent.
6. A fuse protects the Chargers against short circuiting and overloading.
7. This symbol ⧈ means that the charger is double insulated (Insulation Class II)
8. If the Charger is mounted in a vehicle it can only be used when the vehicle is not in use.
9. If the Charger is labeled "EN60601-1" and therefore it complies with the requirements of electro-medical equipment, it can be used in hospital environments, etc.
10. The Charger has a plastic casing; avoid its coming into contact with oils, grease etc., as most types of plastic can be broken down by chemicals and solvents.

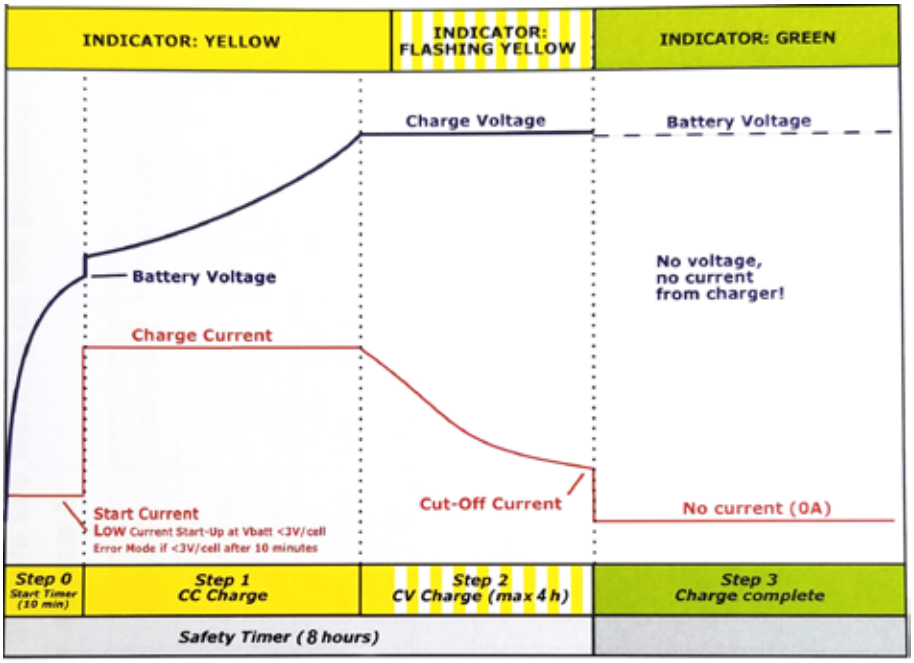
2600-02 LED Indicator and Charging Characteristics

The Charging Timer ensures that the charging current is reduced to zero when the battery is fully charged.

Step 1 - Constant Current Charge cycle starts automatically when connected to mains and battery is connected to charger. Charging is with maximum charger current. The LED is YELLOW. This allows rapid charging to 80-95% capacity.

Step 2 - Constant Voltabe (Timer) Charge. Charge voltage is constant and charge current is decreasing. The LED is FLASHING YELLOW. This continues until current has decreased to end of charge detection level or until Timer runs out (8 hours). The battery is charged to full capacity.

Step 3 - Charge Complete. The LED turns GREEN, the battery is fully charged, the charge current is zero, and the battery has been charged to its full capacity. A new charge cycle will be initiated if battery voltage decreases with 0.1 V/cell.



2600-02 Charger Specifications	
PROPERTY	**SPECIFICATION**
Complete Charge for 2500-36TSC, 2500-37TSC, 2561-01, or 2500-30TSC	4-6 Hours for a Fully Drained Battery
Electrical Output	Up to 16.8V; Up to 0.9A
Electrical Input	100-240 VAC; 50-60Hz; 0.3A

MAXAIR Recommended System Temperature Limits	
Use/Handling	0°C to 54°C at a maximum 80% Relative Humidity
Charging	0°C to 45°C at a maximum 80% Relative Humidity
Storage	0°C to 35°C at a maximum 80% Relative Humidity

⚠ CAUTION

Charging Protection from Electrical Surges

It is highly recommended to always connect the MAXAIR Charger directly to a Surge Protection Device, adequate for all anticipatable occurrances, during all charging activities of MAXAIR Li-Ion Batteries, and whenever the Charger is connected to a mains power source.

To choose an appropriate surge protector you should consult with your Engineering department regarding specifics to your physical plant and geographical environment.