

# Battery Charger Instructions

## Charger Operation

The battery charger provides two LED indicator lights on the top cover.

- Power
- Charge

Both these LEDs will illuminate when the battery charger is plugged into a power source.

These lights indicate the following:

**POWER – RED** indicates that the charger is receiving power from an active source.

**CHARGE – RED** indicates that the unit is currently charging the connected battery.

**CHARGE – GREEN** indicates that the connected battery is fully charged and you should disconnect.

(Note: Chargers with a single LED indicates the CHARGE function.)



## Charge Level

When lithium ion batteries are fully charged, they have a higher voltage than the specified **nominal** voltage.

As the battery is used, the voltage decreases lower than the nominal voltage.

To protect the integrity of the battery, the Battery Management System (BMS) will automatically suspend the battery operation when the voltage reaches the 'flat' value.

These values are specified in this table.

Battery Type	Voltage Output Range	
	Nominal	Full Charge
24 V	20 V	29.4 V
36 V	28 V	42.0 V
48 V	37 V	54.6 V
52 V	39 V	58.8 V

- Always use the compatible charger that was provided with the battery.
- Never store a battery where children or animals may tamper with it.
- Never use a battery that has been damaged, dropped, or punctured.
- Never use a steam pressure washer when cleaning the battery or bike.
- Never immerse a battery in water. Simply wipe with a damp cloth.
- Never leave a battery on charge overnight or unattended.
- Always store batteries at room temperature and away from open flames.
- Batteries not being used for long periods should be stored above 50% charge.
- Let used batteries cool before charging and don't use directly after recharging.

## Troubleshooting

Battery Type	
Large Downtube	Battery must be powered on to activate charging. Battery must be powered on for LED indicator to work.
Silverfish	Battery must be powered on for LED indicator to work.
Rear Rack	Battery must be powered on for LED indicator to work.

## Maintenance

Should your ebike battery be damaged or appear faulty you can have it inspected by the Pirez Technical Team at our Warehouse and Showroom in Derrimut, Victoria to ensure it remains safe and operable.

### Contact the Pirez team at:

Telephone: 03 7035 0190  
Email: [sales@pirez.com.au](mailto:sales@pirez.com.au)

### Warehouse Location:

4 / 207 Derrimut Drive  
DERRIMUT VIC 3026



### SAFETY WARNING

Always disconnect batteries before cleaning or working on your ebike to prevent the motor from engaging accidentally