

SUNLIGHT SLTW INTERNATIONAL CO. LTD.

# FELT-500

# Instruction Manual



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# PREFACE

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**THANK YOU FOR PURCHASING  
SUNLIGHT FULL ELECTRIC LIFTING TROLLEY  
FELT-500**

**PRODUCT USE:**

**FOR TRANSPORTING & CARRYING GOODS.**

Before using this product, please read this instruction manual carefully. It is possible to cause injury accidents or cause property damage accidents due to improper operation. Do Not use this product for other purpose than its intended use.

Therefore, for the safety, please read this instruction manual carefully and understand completely.

Please keep this instruction manual on file for future reference. If this is lost, please contact SUNLIGHT or local agent for a new copy.

If you transfer this product to others in the future, please deliver this instruction manual together. SUNLIGHT has the right to change the design of this product, please kindly be informed.



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# WARNING

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## (1) USAGE NOTICE

### ① Do Not overload

The maximum loading of this product is 500 kg.

### ② Follow the charging regulations

- Do Not charge the battery continuously for more than 12 hours.
- Must charge the battery when the battery indicator lights up in red.
- When not in use for a long time, please turn off the power switch but be sure to charge it once a week.
- After using this product, it is recommended to charge it every day when you finished using.

### ③ Do avoid these behaviors to this product

- Do Not park this product on slope.
- Do Not let children approach or operate this product.
- Do Not wash the electric control system box and motor of this product with water directly.
- Do Not allow other person to stand in front of or behind this product when it is moving.
- Do Not put hand or foot in the scissors mechanism.
- Do Not move this product when the table is in raised.
- Do Not enter under the table.
- Do Not lower or raise the table too fast.

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# WARNING

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## (1) USAGE NOTICE

- Do Not put foot near by rolling wheel.
- Do Not use this product for other purpose than its intended use.
- Keep watching the condition of load. Stop operating this product if load become unstable.
- Do Not side or end load. Load must be distributed on at least 80% of table area.
- Do Not use this product with unstable, unbalanced or loosely stacked load.
- Stop using this product when hydraulic oil temperature is too high.

### ④ **DO NOT repair and modification without SUNLIGHT's confirmation.**

- If this product needs to be repaired or modified, please contact SUNLIGHT or local agent. If any injury accidents or property damage accidents occur due to self-repair or modification of this product, the user shall bear full responsibility.
- This product all service must be performed by qualified person.

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# WARNING

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## (1) USAGE NOTICE

### ⑤ Original parts

When replacing parts, such as motors, batteries, chargers, differentials, brake systems, electronic control systems, etc., please use the original parts designated by SUNLIGHT. Please Do Not replace the parts that have not been tested and confirmed by SUNLIGHT.

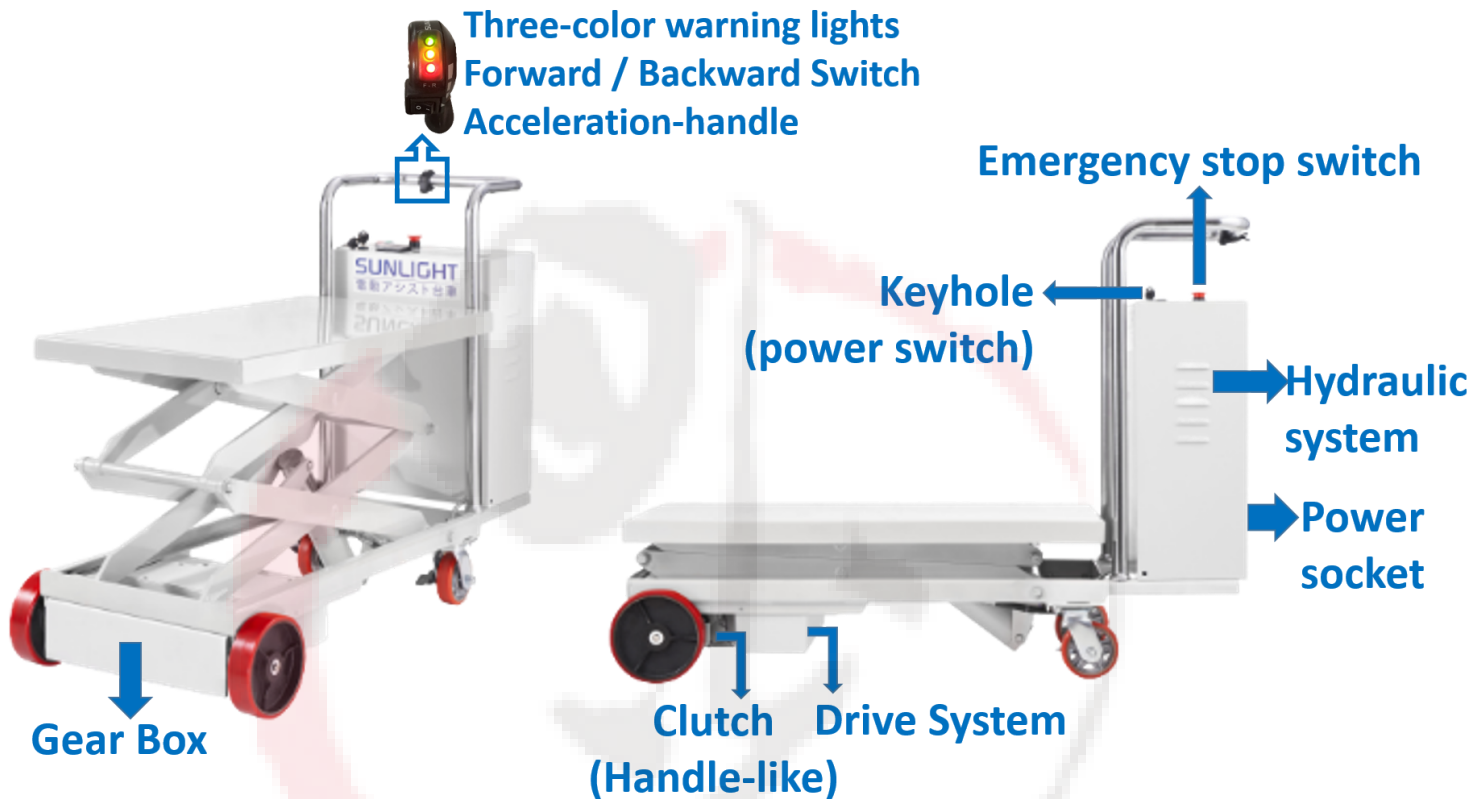
### ⑥ Precautions related to the battery

- Keep away from sparks caused by short circuit or open circuit of the battery.
- When using, charging, and storing this product, do not let the temperature of the surrounding environment of the battery be below 10°C or above 40°C.

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# NAME OF PARTS

## (1) DETAIL



## (2) ACCELERATION-HANDLE INTRODUCTION



# NAME OF PARTS

## (3) TROUBLESHOOTING ASSISTANCE

### Error Code Introduction



◆ Residual battery indicator    X : No lights    O : Lights up    ☀ : Flashing light

	RED	YELLOW	GREEN
> DC 36.3V	X	X	●
DC 33.3V~DC 36.2V	X	●	X
DC 30.3V~DC 33.2V	●	X	X
< DC 30.0V	☀	X	X

### Error Code Introduction

◆ System Error (Part1)

X : No lights    O : Lights up    ☀ : Flashing light

	RED	YELLOW	GREEN
system is not yet turned on	X	X	X
over temperature warning (Over 65°C)	X	●	X
Acceleration-handle disconnected	☀	X	☀
motor sudden unintended acceleration protection	X	☀	☀

# NAME OF PARTS

## (3) TROUBLESHOOTING ASSISTANCE

### Error Code Introduction



#### ◆ System Error (Part2)

X : No lights

O : Lights up

☀ : Flashing light

	RED	YELLOW	GREEN
current overload protection	☀	☀	X
Acceleration-handle is not zeroed	☀	☀	☀

- All SUNLIGHT's products are equipped with a micro-computer self-detect function which can directly understand abnormal conditions from the Error code.
- Users can troubleshoot easily and quickly by themselves, without technical engineer on-site maintenance.
- The design of the acceleration-handle is modularized and with a fool-proof connector design, which is convenient for users to repair and replace themselves.



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# INSPECTION & MAINTENANCE

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## (1) DAILY CHECKING

Daily checking is effective to find the malfunction or abnormality on this product. Check electric trolley on the following points before operation.

### ① Inspection

- Check the power indicator light on when turn on.
- Check the electricity sufficient to supply the demand for this time using.
- Check the "acceleration-handle" can work normally.
- Check the "forward/backward switch" can work normally.
- Check the function of brake can work normally.
- Check if all bolts and nuts are tightened firmly.
- Check there is no abnormal sound from the electric control system box, gearbox, and motor.
- Check the smooth movement of all tries/wheels.
- Check all tries/wheels not with cracked, damaged, flat, etc.
- Check the handle of the clutch set to "ON".
- Check there is no broken electric wires by naked eyes.
- Check if there is any oil leakage from the cylinder.
- Check the scissors mechanism can work normally.

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# INSPECTION & MAINTENANCE

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## (1) DAILY CHECKING

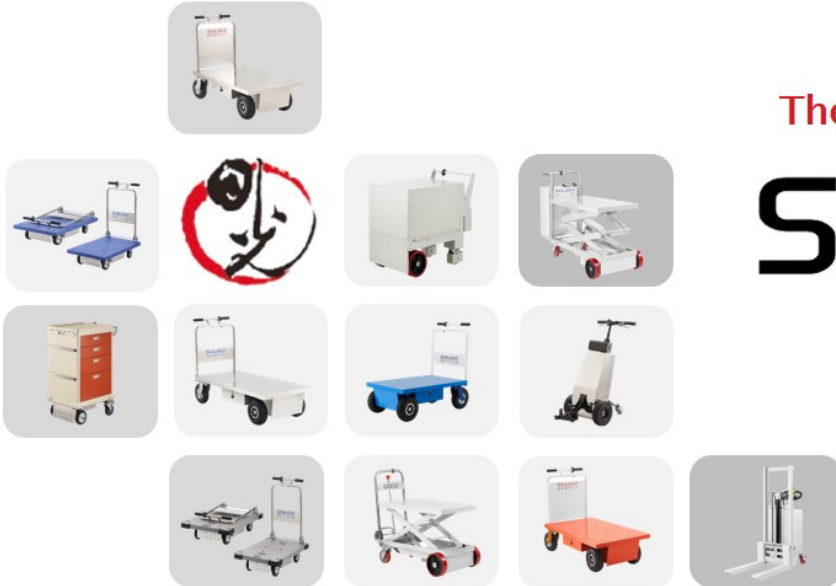
Daily checking is effective to find the malfunction or abnormality on this product. Check electric trolley on the following points before operation.

## ② Maintenance

- Be sure to charge after using this product every day.
- Please place this product in a well-ventilated place to avoid high temperature and humidity.
- Remove loading from table when servicing this product, please use a safety stopper to prevent table from lowering.
- Lubricate with grease the rails where roller moves. Also lubricate the grease nipples (monthly).
- Lubricate all pivoting points and axles (every 6 months).
- Please replace the hydraulic oil (every 12 months).

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# CONTACT INFO



The Best Electric Trolley in Taiwan

# SUNLIGHT

Human Safety

Smart Products

Working Efficiency

MADE IN TAIWAN

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**ELECTRIC TROLLEY, COULDN'T BE BETTER!**