300W Lithium Battery Charger

(Model Name : TC-7S10A-S)

Accessory

1. Output

2. AC Power Coard

1. Features

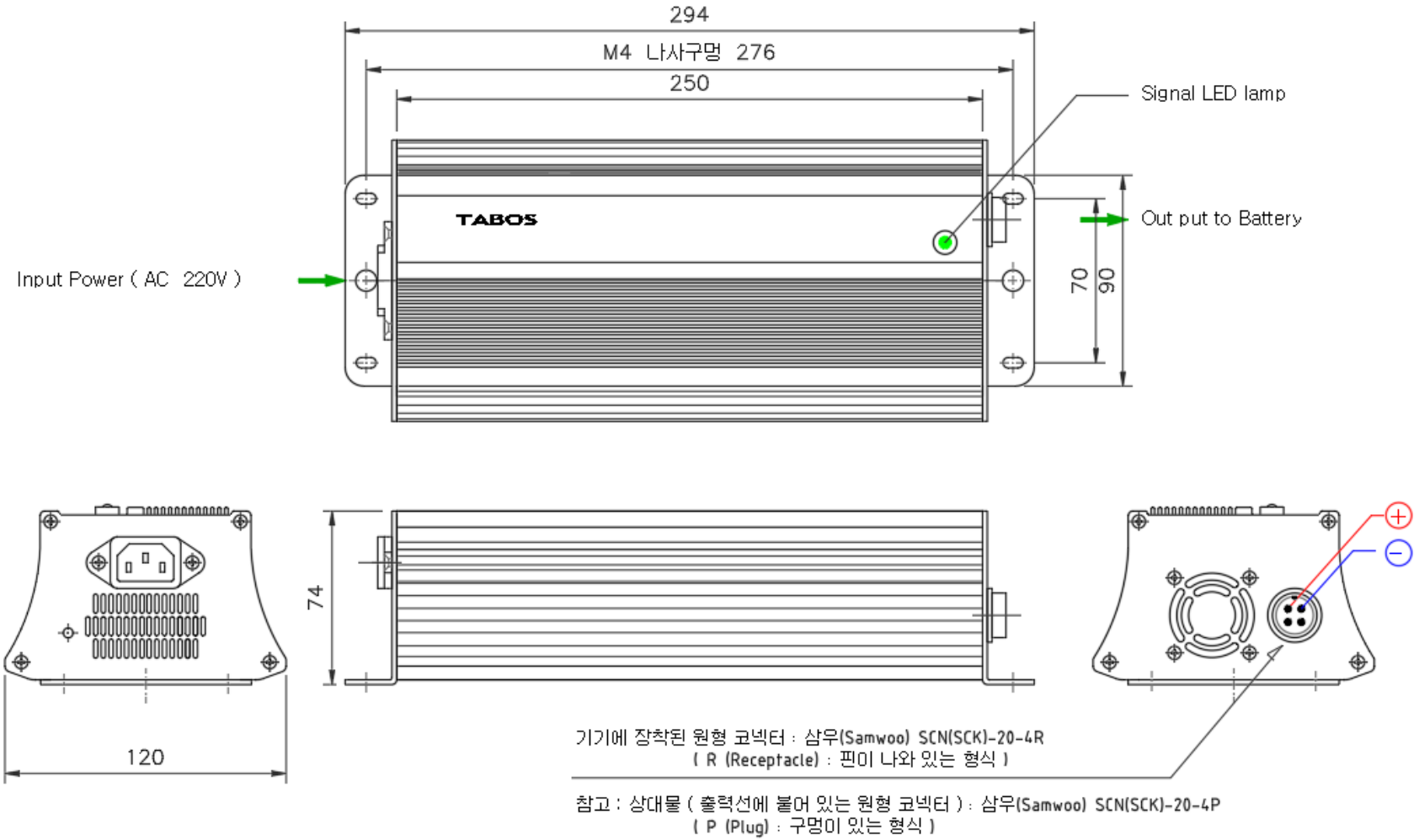
◊ Lithium battery charger.
◊ Charging method: Constant Voltage(CV) and Constant Current(CC).
◊ Pre charging availability.
◊ Battery over charging disconnection.
◊ Charging Current Limitation systems.
◊ The +, – polarity reversal wiring protection.
◊ Automatic power output disconnection during output terminal shorted.
◊ Battery abnormal warning systems.

2. Specification

Made by TABOS Inc. in Korea

Model Name	Battery Charging Voltage	Battery Charging Voltage	Maximum Charging Power	Dimension (mm) Weight (Kg) Case materials	Input Power	Maximum Power Consumption	Power Factor
TC-7S10A-S	DC29V	10 A	300 W	270 X 120 X 75, 1.7 Kg Aluminum	200~240V AC	340W (± 10%)	97%

3. Drawings


294
M4 나사구멍 276
250
Signal LED lamp
Out put to Battery
Input Power (AC 220V)
TABOS
70
90
74
120
기기에 장착된 원형 코넥터 : 삼우(Samwoo) SCN(SCK)-20-4R
(R (Receptacle) : 핀이 나와 있는 형식)
참고 : 상대물 (출력선에 붙어 있는 원형 코넥터) : 삼우(Samwoo) SCN(SCK)-20-4P
(P (Plug) : 구멍이 있는 형식)

Output Wire Length = 600mm

(+) /고등색
(Reddish Brown)

(–) / 하늘색
(Sky Blue)

4. Environment

Temperature : Under 40°C

Humidity : Under 90%

5. Cautions

⚠ Check out the battery charging voltage is over 29.4V

⚠ Check out the available battery charging current is over 12A

⚠ Do not apply the Lead Acid Battery.

⚠ When applying to an automatic charging station of an AGV (Automatic Guide Vehicle),

Do not turn ON / OFF the AC input power to turn ON / OFF chargers. Because the Firmware (S / W) of the charger may malfunction in some cases.

It will operate automatically if the AC input power is always set to ON.

This charger detects the battery and charges it automatically only when the battery is connected. In other words, when the battery is not connected, there would be no outputs.

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Do not turn ON / OFF the AC input power to turn ON / OFF chargers. Because the Firmware (S / W) of the charger may malfunction in some cases. It will operate automatically if the AC input power is always set to ON.

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⚠ When cannot boot powered on AC (No durability issues)

When power is applied, it is recommended to observe the following procedure.
1) When 220V AC power is applied, the switch must be OFF.
2) Turn on the switch after turning on the power.

* If there is no response from the above,
3) After the power switch is off and 220V AC is shorted, wait until the internal capacitor is fully discharged. (maximum 1 minute)
4) After waiting, try again in the above order,
If there is no response afterwards, please fill out the application form and send it to us.

⚠ Make sure the applied battery is suitable for the charger.

Do not connect lead acid storage batteries. The charging voltage specification may not be suitable for the charger. The charger can be used only when the charging voltage of it is lower than the maximum voltage of the battery. Connect +, − on the output terminal block to the battery terminal.

6. Signal LED lamp and trouble shutting

✧ Green: Fully charged.
✧ Red: Charging
✧ Orange: Battery abnormal warning.
✧ Orange flickering: +, − polarity reversal wiring warning.

7. The ability of the charger to recharge when the battery voltage drops after the battery is fully charged.

With the charger and battery connected at all times

The battery can be used in conjunction with a load device.

At this time, the charger resumes charging operation when the battery falls below a certain voltage. This voltage is called the recharge start voltage.

* Model : TC-7S10A-S → The recharge start voltage = Around 25.9V