

Technical information

Selecting power supply

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|----------|------------------------|-----------------------------------------------------------------------------------------------------|
| 1 | Switching power supply | 24VDC+/-5%, Rating: over 3.2A (Eco mode), 4.5A (Boost mode) |
| 2 | Rectifier power supply | with smoothing capacitor; *ripple ratio: 10% max; Rating: over 4.5A (Eco mode), 5.5A(Boost mode) |
| 3 | 24V battery | Rating: over 4.5A (Eco mode), 5.5A (Boost mode). Peak current: over 20A |

Commercially available “Switching mode” power supply is recommended as the DC power (24V+/- 5%) applied to Driver card. It must have a minimum equivalent to the total rated current values of used Pulse Rollers. No transformer type power supplies can be used.

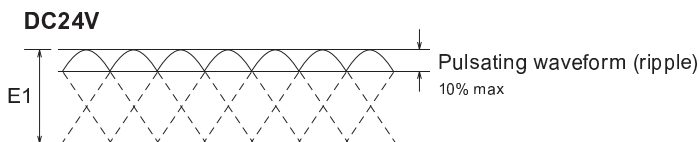
Ensure that the power supply voltage is 24V +/- 5% at the driver card’s power terminal.

If the capacity of the power supply is insufficient, voltage-drop may occur, resulting in a malfunction or damage.

Please ensure to use the power supply whose protective device will not be tripped when the peak current of all Driver cards is applied for 50ms.

*Ripple ratio

When alternating current (AC) is rectified into direct current (DC), the ratio of the fluctuations in the AC waveforms, is called a ripple ratio.



Cable length between power supply and driver card

Use a cable of AWG14 or larger size between the driver card the power supply and ensure that the distance up to the power supply is 5 meters maximum to avoid voltage-drop.

If the power cable length is needed to extended, be sure to apply 24VDC +/- 5% at the Driver card’s power terminal.