

NEW Step-up DC-DC converter optimum for battery input like that of AGVs



Specifications

	Setting [1]	Setting [2]	Setting [3]
Input voltage	24 VDC	48 VDC	96 VDC
Input voltage range	19 - 37 VDC	37 - 74 VDC	74 - 128 VDC
Output voltage	284 VDC		
Output capacity (continuous)	1200 W	2500 W	4000 W
Output capacity (peak)	1500 W	4000 W	5000 W
Efficiency	90% typ	94.5% typ	97% typ

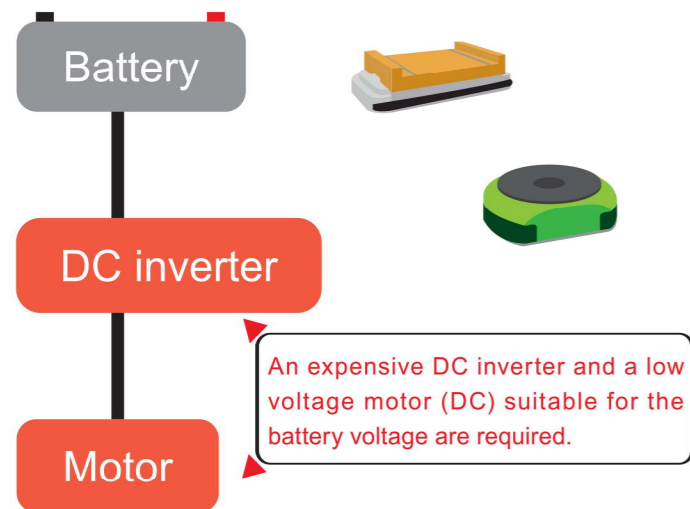
* Derating required (Contact us for further information.)

100TBFS-2500-280

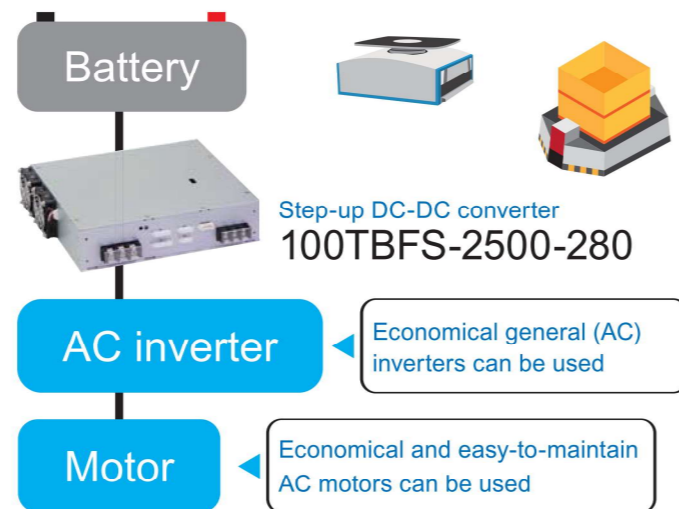
Cost reduction and increased options for the inverter

By applying the step-up DC-DC converter for automated guided vehicles (AGV) with the battery power source, it becomes possible to use general (AC) inverters, of which the cost is low and there are plenty of variations.

Using a DC inverter



Using an AC inverter with 100TBFS



**Cost increase ...
Less options ...**

**Cost reduction!
Increased options!**

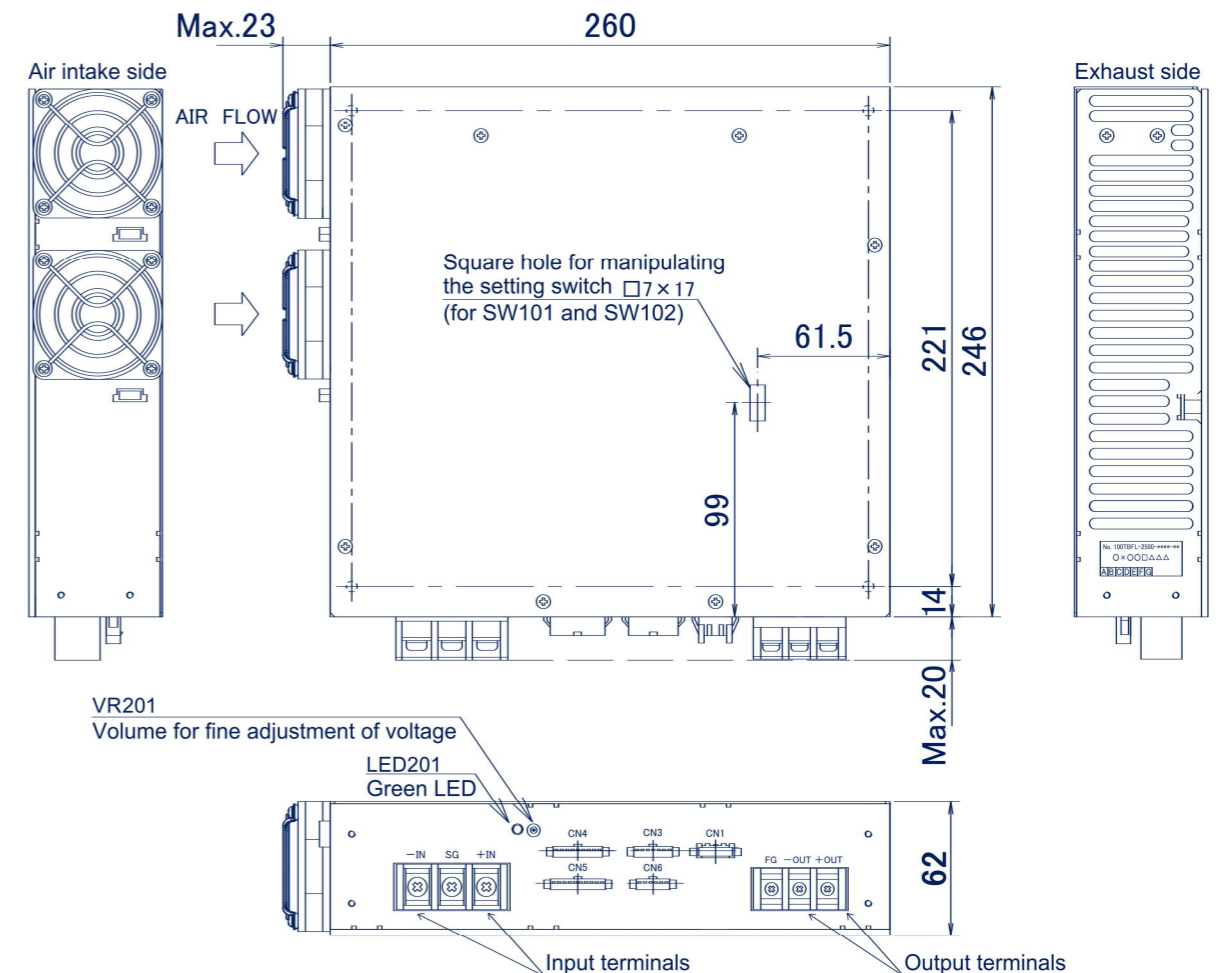
By the use of a step-up DC-DC converter, it is possible to reduce the cost from the system using a DC inverter and increase the option for selecting the product.

New 100TBFS models provide cost savings in the AGV market. <http://www.nipron.com>

Features

- ▶ **A wide range of input from 19 to 128 VDC supported** (input voltage range setting with a DIP switch)
- ▶ **Various protective features included**
 - Two-stage overcurrent protection
 - Input overvoltage protection
 - Output overvoltage protection
 - Low voltage protection
 - Overheating protection
- ▶ **Remote ON/OFF feature**
- ▶ **The capacity may be increased by the parallel connection**
- ▶ **Optimum for fuel cells**
- ▶ **Eliminates the use of electrolytic capacitors**
- ▶ **Approx. 15% smaller in volume and 20 to 50% increase in the output power in comparison with conventional models** (with the rated power input)
- ▶ **Energy saving design to reduce the power consumption**
 - 15W with no load (with 48 V input, remote ON)
 - 30mW remote OFF (with 48 V input)
 - The fan stops automatically with a small or no load to reduce the power consumption and extend the service life of the fan.

Outline drawing



Please consult Nipron for 2, 3 and 5 unit parallel connection models.

* Since it is a product under development, external appearance and specifications are subject to change.

Multifunctional step-up DC-DC converters — featuring compact design and high capacities

<http://www.nipron.com>

לרכישה בישראל:



072-2332263

www.4niev.com