

Step-Up DC-DC Converter

100TBFS-2500-280



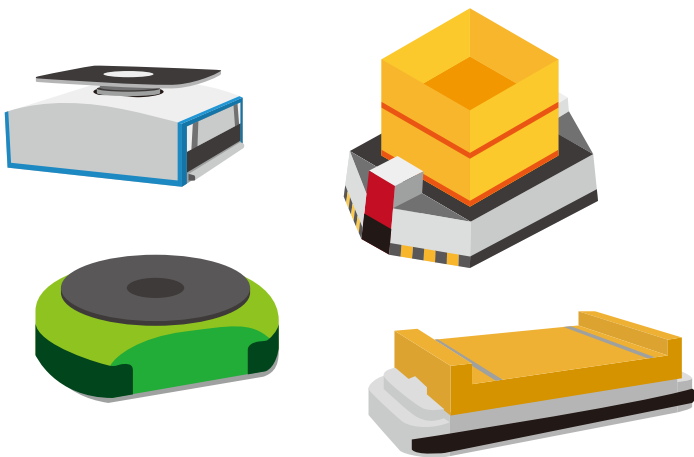
Specifications

	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*	4500 W
Output capacity (Peak)	1500 W*	4000 W*	5000 W
Efficiency	90% typ	94.5% typ	97% typ

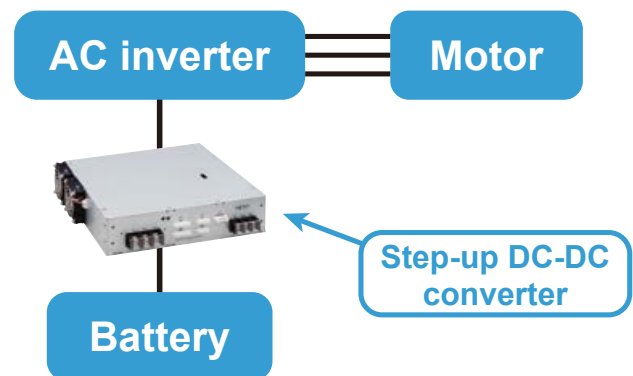
* Derating required (please contact us for details.)

Save cost on the inverter and increase options

By using a step-up DC-DC converter for an automated guided vehicle (AGV) that uses a battery as a power source, it is possible to select a more economic general-purpose (AC) inverter from the variety of models offered in the market.



Economic general-purpose (AC) inverter becomes an option



By using a step-up DC-DC converter, it is possible to save the cost on DC inverter and increase the number of options in selecting the product.

Features

- ▶ **Input range of 19–128 VDC supported (input voltage range setting with a DIP switch)**
- ▶ **Various protective functions incorporated**
 - Two-stage over-current protection
 - Input over-voltage protection
 - Output over-voltage protection
 - Under-voltage protection
 - Overheating protection
- ▶ **Increased capacity with a parallel connection**
- ▶ **Optimal for fuel cells as well**
- ▶ **Remote ON/OFF feature**
- ▶ **The volume decreases about 15%, and the output power increases 20-50% (at rated power) comparing to Nipron’s conventional model.**
- ▶ **Energy-saving design to reduce the power consumption**
 - At no load: 15W (48V input, Remote ON)
 - At Remote OFF: 30mW (48V input)
 - Automatic fan stop at light load and no load conditions: lower power consumption and longer fan lifetime.

