

# Integrated Auxiliary Inverter

## Combined DC/AC and DC/DC Converter Module

This system integrates the functionality of a DC/AC oil pump, DC/AC air pump, DC/DC converter and PDU (optional). The compact system offers exceptional control performance to meet the high-performance requirements of electric vehicle manufacturers.



- Compact and lightweight design
- Quiet operation
- Enhanced safety
- High reliability
- Scalable platform for various products

### • Scalable

With a modular, scalable design, our solution provides the flexibility needed to support a wide range of vehicle types and configurations, ensuring smooth integration and customization to fit specific requirements.

### • Cost-Effective

Our auxiliary inverter solution consolidates multiple inverters into one, reducing redundancy and lowering overall costs while boosting system efficiency.

### • Compact

The lightweight, integrated design helps reduce the system's overall size and weight, saving space, wiring, and costs, making it ideal for electric commercial vehicle applications.

### • High Reliability

Fewer connections enhance the reliability of our auxiliary inverters, while the compact design simplifies both installation and maintenance, ensuring long-term stability.

3-in-1 Auxiliary Inverter									
DC/DC									
Input voltage (low voltage)	12 VDC			24 VDC					
	(9-18 VDC)			(15-36 VDC)					
Input voltage (high voltage)	380 VDC (220-500 VDC)			380 VDC (220-500 VDC)					
	540 VDC (400-750 VDC)			540 VDC (400-750 VDC)					
Output voltage	14 VDC			27.5 VDC / 27 VDC					
Power	1.5 kW			3 kW					
Rated current	107 A			110 A					
Peak current 60s	128 A			125 A					
DC/AC oil pump & air pump									
Input voltage (low voltage)	12 VDC / 24 VDC (9-36 VDC)								
Input voltage (high voltage)	380 VDC (220-500 VDC)			540 VDC (400-750 VDC)					
Output voltage.frequency	3-phase 220 VAC, 50 Hz			3-phase 220 VAC, 50 Hz			3-phase 380 VAC, 50 Hz		
Power	2.2 kW	3.7 kW	5.5 kW	2.2 kW	3.7 kW	5.5 kW	2.2 kW	3.7 kW	5.5 kW
Rated current	9 A	13 A	25 A	9 A	13 A	25 A	5.5 A	9 A	13 A
Peak current 60s	18 A	26 A	50 A	18 A	26 A	50 A	11 A	18 A	26 A

More options are available upon request. For specific product details, kindly reach out to us.