

## DVWF7K6-102

V1.2

## 7600W Motor Controller

The motor control device DVWF7K6-102 is a highly efficient device designed for permanent magnet synchronous motor applications. It provides adjustable power output to support a variety of operational needs. All units pass run-in test at full load condition.



### FEATURES:

- Control Interface : Supports CAN Communication Protocol
- Maximum Output Current : Adjustable Based on Application, Up to 160A
- OVP, OCP, OTP, Short Circuit Protection, OLP, UVLO
- Efficiency High-Efficiency Design, Up to 96%
- 2-Year Warranty

### APPLICATIONS:



### GENERAL SPECIFICATION:

- **Cooling:** Liquid Cooling
- **Waterproof Rating:** IP67
- **Note:**  
It is normal for a minor amount of water to enter the product; however, the operational performance of the product remains unaffected under such circumstances.

### Electrical Characteristics & Mechanical Characteristics :

| Characteristic                | Condition                          | Min. | Rated | Max. | Unit |
|-------------------------------|------------------------------------|------|-------|------|------|
| Input Operating Voltage Range |                                    | 86   |       | 110  | VDC  |
| Output Power Range            |                                    |      | 5000  | 7600 | W    |
| Input Current                 | Full Load                          |      |       | 120  | A    |
| Speed Range                   |                                    | 0    |       | 620  | Hz   |
| Insulation Resistance         | Primary to Chassis, 500VDC, 3 Sec. | 20   |       |      | Mohm |

### Environmental:

| Characteristic        | Condition          | Min. | Typ. | Max. | Unit |
|-----------------------|--------------------|------|------|------|------|
| Operating Temperature | Liquid Temperature | -10  |      | 55   | °C   |
| Storage Temperature   |                    | -10  |      | 80   | °C   |
| Operating Humidity    | Non-Condensing     | 0    |      | 95%  | RH   |
| Storage Humidity      |                    | 0    |      | 95%  | RH   |

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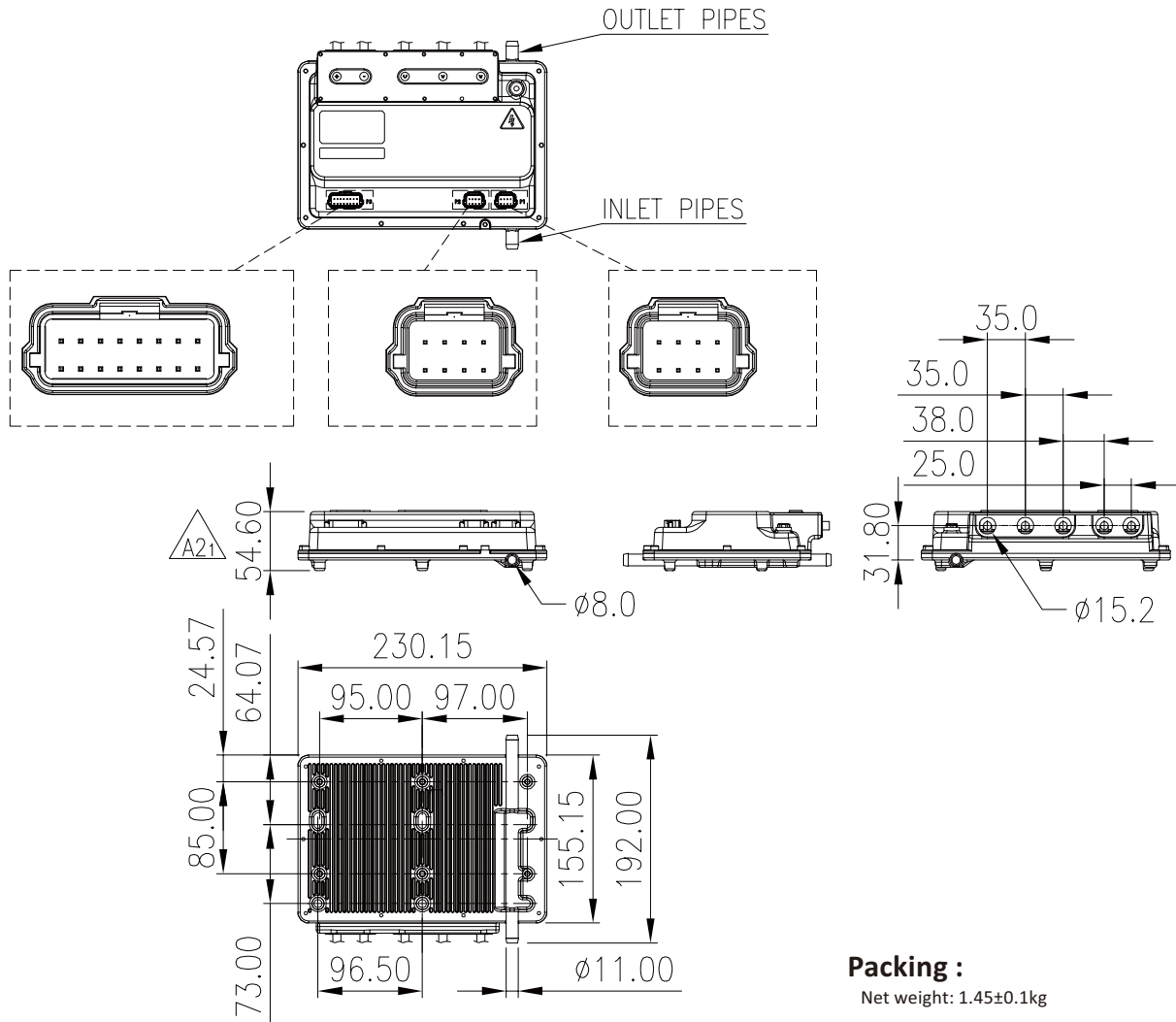
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7600W Motor Controller

### SPECIFICATION NOTE :

1. Only Use Coolant for the Liquid Cooler.

### Mechanical Dimensions: ( UNIT: mm )



### Packing :

Net weight: 1.45±0.1kg

### Rating Chart:

| MODEL NO.   | Input Voltage |      | Input Current    | Output Current   | Total Regulation (%) | Control (3 Phase) |
|-------------|---------------|------|------------------|------------------|----------------------|-------------------|
|             | Min.          | Max. | I <sub>max</sub> | I <sub>max</sub> |                      |                   |
|             | (V)           |      | (A)              | (A)              |                      |                   |
| DVWF7K6-102 | 81            | 110  | 120              | 160              | ±5                   | FOC               |