PRODUCT OVERVIEW:

The Bi-Directional DC-DC series of converters utilizes advanced Digital Power Processing with a high frequency magnetic design. It has a broad band dynamic response that provides an efficient regulation of voltage and current. Both inputs and outputs have limit protections for voltage, current and power. The high frequency magnetic design is a proven technology that has superior performance, response, flexibility and reliability. High efficiency and power density.

It comes with extensive diagnostics via CAN-J1939 or RS232.

FEATURES:

- Input and output Voltage Range: 100-650V\text{DC}
- Input Current: 200A continuous.
- Efficiency: 96% rated
- Ground voltage isolation detection and fault protection.
- Short Circuit, Over Current, Over/Under Voltage and Over Temperature protection.
- CAN command, control and diagnostics. Output voltage can be regulated via CAN/Analog command.
- Input and output voltages, currents, power and temperature reporting
- Parallelable with fault tolerance operation.
- Cascaded multi-phases Converter.

APPLICATIONS:

3/8" NPT-5/8" HOSE FITTING

NOTES: UNLESS OTHERWISE SPECIFIED
1. BDC CONVERTER WEIGHT: 14.4 kg (34 lbs).
2. COOLANT: 50/50 ETHYLENE GLYCOL / WATER.
3. MIN FLOW: 11.4 L / MIN (3.0 GPM).
4. PRESSURE DROP: 9.65 kPa (1.4 PSI) @ MINIMUM FLOW.
5. PRESSURE DROP: 14.05 kPa (2.1 PSI) @ 40°C.
6. INLET TEMP: -20°C TO 60°C.
7. OPTIONAL 3/8 NPT HOSE FITTINGS: 3/4", 3/8" OR 90 DEG. FITTINGS.
8. SIGNAL MATING CONNECTOR: DEUTSCH P/N # DT06-12SC.