



## DC-DC Step Up Converters

Model  
VTC305-12-24  
13.5 Amps

### Design Features

- Shock and vibration tolerance
- Mount in almost any location
- Compact and light weight
- Reverse polarity protection
- Current limiting circuit
- Over voltage crowbar circuit
- Non-isolated for negative ground system
- Ultra quiet low EMI operation
- Rugged marine grade aluminum case

## 2 YEAR LIMITED WARRANTY

<b>MODEL NO.</b>	<b>VTC305-12-24</b>
<b>INPUT VOLTAGE RANGE</b>	10.5 - 28 VDC
<b>INPUT CURRENT LIMIT</b>	30A
<b>OUTPUT VOLTAGE</b>	(Input - 1V) or 24.0 to 27.5 VDC, whichever is greater
<b>OUTPUT OVER VOLTAGE CROWBAR</b>	Programmed output volts x (1.3 ± 1%)
<b>MAXIMUM OUTPUT CURRENT</b>	13.5A
<b>ISOLATION INPUT - OUTPUT</b>	Common negative
<b>ISOLATION CASE TO INPUT OR OUTPUT</b>	> 500 VDC
<b>NOISE ON INPUT</b>	< 25 mV
<b>OUTPUT RIPPLE &amp; NOISE</b>	< 25 mV
<b>LOW INPUT VOLTAGE ALARM</b>	10.5 VDC
<b>LOW OUTPUT VOLTAGE ALARM</b>	Programmed output voltage minus 2.5 VDC
<b>TRANSIENT RESPONSE</b>	< 1V for 15A surge
<b>INPUT FUSE</b>	40A (2 x 20A, Type AGC)
<b>OPERATING TEMPERATURE RANGE</b>	-25°C to 40°C / -13°F to 104°F at maximum output
<b>HUMIDITY (Non-condensing)</b>	Maximum 95%
<b>EFFICIENCY</b>	> 90% @ maximum output
<b>CONNECTIONS</b>	Terminal Block
<b>MATERIAL</b>	Marine grade aluminium
<b>FINISH</b>	Black anodize / power epoxy coat
<b>FASTENINGS</b>	All 18-8 stainless steel
<b>DIMENSIONS, MM (L x W x H)</b>	231 x 198 x 64
<b>DIMENSIONS, INCHES (L x W x H)</b>	9.1 x 7.8 x 2.5
<b>WEIGHT, KG/LB</b>	1.8 / 4.0

NOTE: Specifications are subject to change without notice