

POWERVERTER & DD SERIES SELECTION TABLE

The following table provides an overview of our DC-DC products. Simply choose the input/output voltage configurations on the left against the continuous power rating (expressed in Watts) across the top.

		WATT RATING						
		36W	72W	108/144W	168/216W	240/288W	400W	600W
Input & Output	24V-12V NON-ISOLATED Converters	PV3s 3Amp	PV6s 6Amp	PV12s 12Amp	PV18s 18Amp	PV24s 24Amp		PV50s 50Amp
	24V-12V ISOLATED Converters	PV3i 3Amp	PV6i 6Amp	PV12i 12Amp	PV18i 18Amp	PV24i 24Amp		
	24V-12V Dual Output Switched NON-ISOLATED	PV3s-A 3Amp	PV6s-A 6Amp	PV12s-A 12Amp				
	12V-24V NON-ISOLATED Converters		DD12-24 072 3Amp		DD12-24 168 7Amp	DD12-24 240 10Amp	DD12-24 400 17Amp	DD12-24 600 25Amp
	12V-12V ISOLATED Converters	DDi12-12 036 3Amp	DDi12-12 072 6Amp	DDi12-12 108 9Amp	DDi12-12 168 14Amp			
	24V-24V ISOLATED Converters	DDi24-24 036 1.5Amp	DDi24-24 072 3Amp	DDi24-24 108 4.5Amp	DDi24-24 168 7Amp	DDi24-24 240 10Amp		
	48V-12V NON-ISOLATED Converters		DD48-12 072 6Amp	DD48-12 108 9Amp		DD48-12 240 20 Amp		
	48V-12V ISOLATED Converters	DDi48-12 036 3Amp	DDi48-12 072 6Amp	DDi48-12 108 9Amp				

Denotes non-isolated common earth products.

Denotes isolated products. These provide isolation between input and output and are often used for marine applications or for petrochemical applications to prevent sparking. They can also help to reduce the effects of EMC interference. They can always be used in place of non-isolated products but not vice versa.

All of these products are also available in IP65 versions. *Please add the suffix **-RU** to the part number when ordering.*

Many products have an intermittent current rating, so occasional short periods above the continuous ratings are permissible. Intermittent ratings are normally 25% above the continuous ratings, though often greater on smaller units. Permissible max usage cycle is 2 minutes, followed by 8 minutes rest.

In addition to the standard products tabled, a number of wide input converters are also available. These are configured to operate from both 12V and 24V systems. ***Please contact us for more information.***

Output voltages are generally set to typify normal battery output voltages as follows: 12V nominal = 13.6V, 24V nominal = 27.2V, 48V nominal = 54.4V.

Most products are available with alternative output voltage options at extra cost, for example 12V instead of 13.6V.

Most products are IP53 as standard. Many products are also available as IP65 versions. Part numbers will have **-RU** suffix. *Please see data sheet for clarification.*