

DC/DC Converters

There are Multiple Applications for DC/DC Converters:

- Stabilized Control Voltages in Battery Powered Applications
- Provides Galvanic Isolation
- Mobile Applications
- To Avoid Ground Loops
- To Restore Control Voltage at the End of Long Cable Runs Due to Voltage Drop



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Output Voltage	5V	12V	24V			24V					48V	
Output Current	8A	8A	3.8A	4A	5A	5A	5A	10A	20A	20A	5A	10A
Input Voltage Range	18-36V	18-32.4V	14.4-32.4V	10.8-16.2V	18-32.4V	18-32.4V	36-60V	18-35V	88-360V	480-840V	36-60V	88-360V
Output Voltage Range	4.5-5.5V	12-15V	24V	23-28V	23-28V	23-28V	23-28V	23-28V	24-28V	24-28V	48-56V	48-56V
Output Current	8A	8-6.4A	3.8A	4-3.4A	5-4.3A	5-4.3A	5-4.3A	10-8.6A	20-17.1A	20-17.5A	5-4.3A	10-8.6A
Output Power	40W	96W	92W	96W	120W	120W	120W	240W	480W	480W	240W	480W
Power Reserves	-	20%	-	20%	20%	20%	20%	20%	20%	25%	20%	20%
Ripple & Noise max. [mV _{pp}]	50mV	75mV	50mV	50mV	50mV	50mV	50mV	50mV	50mV	100mV	100mV	50mV
Efficiency (Typical)	82.0%	88.2%	90.5%	87.7%	90.3%	90.2%	90.3%	94.2%	94.6%	95.0%	94%	94.6%
Power Losses (Typical)	8.5W	12.8W	9.7W	13.5W	12.9W	13.3W	12.9W	14.8W	27.4W	25.5W	15.3W	27.4W
Operating Temperature Range	0°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Connection Terminals	Screw	Screw	Spring Clamp	Screw	Screw	Spring Clamp	Screw	Screw	Screw	Spring Clamp	Screw	Screw
Dimensions (WxHxD)	49x124x102mm	32x124x102mm	32x124x102mm	32x124x102mm	32x124x102mm	32x124x102mm	32x124x102mm	42x124x117mm	65x124x127mm	65x124x127mm	42x124x117mm	65x124x127mm
Weight	470g	425g	425g	435g	425g	450g	425g	500g	940g	890g	500g	940g
Special Features		Soft Start	NEC Class 2 Soft Start	Soft Start	Soft Start	DC-OK and Input Low Relay Contacts Soft Start	Soft Start		DC-OK Contact	DC-OK Contact Intermediate DC Bus		DC-OK Contact
List Price (USD)	\$340.00	\$360.00	\$390.00	\$350.00	\$320.00	\$370.00	\$350.00	\$420.00	\$525.00	\$570.00	\$450.00	\$580.00
Product Family	SilverLine	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION
Catalog Number	SLD2.100	CD5.121	CD5.241-L1	CD5.243	CD5.241	CD5.241-S1	CD5.242	CD10.241	CPS20.241-D1	QTD20.241	CD10.482	CPS20.481-D1