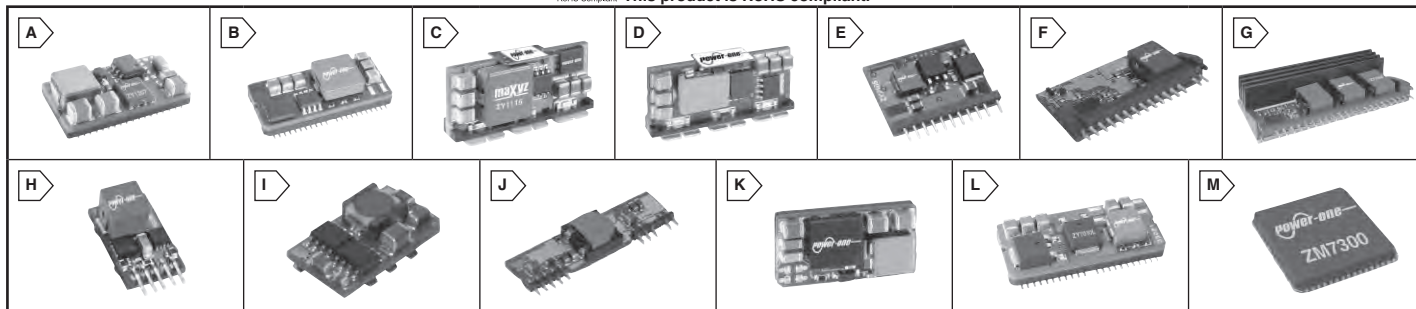


# POWER-ONE DC-DC Converters



This product is RoHS compliant.



## DC-DC NO-BUS POLS

### Features:

- Overcurrent and overtemperature protections
- Undervoltage and undervoltage protections, and Power Good signal tracking the output voltage setpoint
- Tracking during turn-on and turn-off with guaranteed slow rates
- Sequenced and cascaded modes of operation
- Single-wire line for frequency synchronization between multiple POLs
- Programmable feedback loop compensation
- Enable control
- Flexible fault management and propagation
- Start-up into the load pre-biased up to 100%
- Current sink capability
- UL60950 recognized, CSA C22.2 No. 60950-00 certified, and TUV EN60950-1:2001 certified (pending)

### Applications:

- Low voltage, high density systems with Intermediate Bus Architectures (IBA)
- Point-of-load regulators for high performance DSP, FPGA, ASIC, and microprocessor applications
- Industrial computing, servers, and storage
- Broadband, networking, optical, and wireless communications systems
- Active memory bus terminators



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage (max.)	Output Voltage Nom.	Output Current Nom.	Dimensions: mm	Operating Temp.	Price Each		
								1	10	25
<a href="#">784-ZY1207HG</a>	ZY1207HG-T2	A	3V-14V	0.5V-5.5V	7A	12.5 x 22	-40-85°C	17.44	15.85	15.03
<a href="#">784-ZY1015G</a>	ZY1015G-T2	B	3V-14V	0.5V-5.5V	15A	16 x 32	-40-85°C	26.90	24.45	23.19
<a href="#">784-ZY1115G-T2</a>	ZY1115G-T2	C	3V-14V	0.5V-5.5V	15A	8 x 32	-40-85°C	26.90	24.45	23.19
<a href="#">784-ZY1120G</a>	ZY1120G-T2	D	3V-14V	0.5V-5.5V	20A	8 x 32	-40-85°C	29.08	26.44	25.07
<a href="#">784-ZY2105G</a>	ZY2105G-R1	E	8V-14V	0.5V-5.5V	5A	30.48 x 21.36	0-70°C	9.44	9.13	8.75
<a href="#">784-ZY2110G</a>	ZY2110G-R1	E	8V-14V	0.5V-5.5V	10A	30.48 x 21.33	0-70°C	11.16	10.79	10.34
<a href="#">784-ZY2120G</a>	ZY2120G-R1	F	8V-14V	0.5V-5.5V	20A	40.6 x 21.3	0-70°C	22.09	20.09	19.09
<a href="#">784-ZY2160G</a>	ZY2160G-R1	G	8V-14V	0.5V-5.5V	60A	60.96 x 31.67	0-70°C	25.75	24.86	23.86

## NON-ISOLATED POL DC-DC CONVERTERS

### Features:

- Low noise fixed frequency operation
- Overcurrent, and short circuit protections with automatic restart
- Reduces board space, system cost and complexity, and time to market



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage (max.)	Output Voltage Nom.	Output Current Nom.	Dimensions: mm	Operating Temp.	Price Each		
								1	10	25
<a href="#">784-YV09T60-0G</a>	YV09T60-0G	G	5V-13.8V	0.5V-2.75V	60A	65.5 x 16	0-70°C	27.00	26.00	25.00
<a href="#">784-YEV09T03-0G</a>	YEV09T03-0G	H	4.5V-13.8V	0.5V-2.75V	3A	10.4 x 10.16 x 16.51	0-70°C	6.65	6.45	6.40
<a href="#">784-YEV09T06-0G</a>	YEV09T06-0G	H	4.5V-13.8V	0.5V-2.75V	6A	10.4 x 10.16 x 16.51	0-70°C	7.00	6.80	6.55
<a href="#">784-YEV09T10-0G</a>	YEV09T10-0G	H	4.5V-13.8V	0.5V-2.75V	10A	10.4 x 10.16 x 16.51	0-70°C	12.60	12.15	11.70
<a href="#">784-YM05S05-G</a>	YM05S05-G	I	3.0V-5.5V	0.5V-2.75V	5A	20.32 x 11.43 x 6.27	-40-85°C	8.48	8.12	7.78
<a href="#">784-YM12S05-G</a>	YM12S05-G	I	9.6V-14.0V	0.5V-2.75V	5A	20.32 x 11.43 x 6.27	-40-85°C	8.48	8.12	7.78
<a href="#">784-YNV12T16-0G</a>	YNV12T16-0G	J	9.6-14.0 V	0.7525 to 5.5 V	16A	33.02x13.46x7.98	-40-85°C	18.18	16.91	16.56

## DC-DC INTELLIGENT POLS

### Features:

- Single-wire serial communication bus for frequency synchronization, programming, and monitoring
- Optimal voltage positioning with programmable slope of the VI line
- Overcurrent, overvoltage, undervoltage, and overtemperature protections with programmable thresholds and types
- Programmable fixed switching frequency 0.5-1.0MHz
- Programmable turn-on and turn-off delays
- Programmable turn-on and turn-off voltage slew rates with tracking protection
- Full rated current sink
- Programmable feedback loop compensation
- Power Good signal with programmable limits
- Programmable fault management
- Start up into the load pre-biased up to 100%
- Real time voltage, current, and temperature measurements, monitoring, and reporting
- UL60950 recognized, CSA C22.2 No. 60950-00 certified, and TUV EN60950-1:2001 certified



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage (max.)	Output Voltage Nom.	Output Current Nom.	Dimensions: mm	Operating Temp.	Price Each		
								1	10	25
<a href="#">784-ZY7007LG-T2</a>	ZY7007LG-T2	K	3-14V	0.5V-5.5V	7A	12.5 x 22	-40-85°C	18.14	16.49	15.64
<a href="#">784-ZY7010LG-T2</a>	ZY7010LG-T2	L	3-13.2V	0.5V-5.5V	10A	16 x 32	-40-85°C	23.58	21.44	20.33
<a href="#">784-ZY7115LG-T2</a>	ZY7115LG-T2	C	3-13.2V	0.5V-5.5V	15A	8 x 32	-40-85°C	26.90	24.45	23.19
<a href="#">784-ZY7120LG-T2</a>	ZY7120LG-T2	D	3-13.2V	0.5V-5.5V	20A	8 x 32	-40-85°C	29.08	26.44	25.07
<a href="#">784-ZY8105G</a>	ZY8105G-R1	E	8-14V	0.5V-5.5V	5A	30.48 x 21.36	0-70°C	9.44	9.13	8.75
<a href="#">784-ZY8110G</a>	ZY8110G-R1	E	8-14V	0.5V-5.5V	10A	30.48 x 21.33	0-70°C	11.16	10.79	10.34
<a href="#">784-ZY8120G</a>	ZY8120G-R1	F	8-14V	0.5V-5.5V	20A	40.6 x 21.3	0-70°C	22.09	20.09	19.09
<a href="#">784-ZY8160G</a>	ZY8160G-R1	G	8-14V	0.5V-5.5V	60A	60.96 x 31.67	0-70°C	25.75	24.86	23.86

## ZM7300 Series Digital Power Manager

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Number of POLs	Number of Groups	Number of Interrupts	Number of Parallel Buses	Number of Auxiliary Devices	Price Each		
								1	10	25
<a href="#">784-ZM7308G-65502G</a>	ZM7308G-65502G-T2	M	8	2	2	4	4	15.90	14.45	13.71
<a href="#">784-ZM7316G-65503G</a>	ZM7316G-65503G-B1	M	16	3	3	4	4	22.23	21.49	20.60
<a href="#">784-ZM7332G-65504G</a>	ZM7332G-65504G-B1	M	32	4	4	8	4	27.38	26.46	25.37

## USB-I2C Adapter for Z-One

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Includes	Price Each		
			1	10	25
<a href="#">784-ZM00056-KIT</a>	ZM00056-KIT	USB to I2C interface adapter (ZM00056) and 4-Foot I2C Cable	361.82	331.67	320.97