

# EMERSON NETWORK POWER DC-DC Converters



RoHS Compliant This product is RoHS compliant.

## NON-ISOLATED POINT OF LOAD DC-DC CONVERTERS

### Single Output DDR/QDR POLA Memory Bus Termination Module

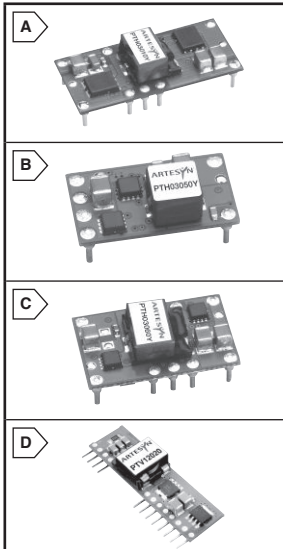
The PTHxxxxY series employs an actively switching synchronous rectifier output to provide state of the art stepdown switching conversion. The products are small in size and are an ideal choice where space, performance and high efficiency are desired.

• DDR & QDR Compatible



MOUSER STOCK NO.	Artesyn Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Output Power	Dimensions: in.			Price Each			
							L	W	H	1	10	25	50
826-PTH03030WAD	PTH03030WAD	A	2.95-3.65VDC	0.8-2.5V	30A	75W	1.370	0.620	0.354	43.21	40.80	38.41	36.00
826-PTH03030WAZ	PTH03030WAZ	A	2.95-3.65VDC	0.8-2.5V	30A	75W	1.370	0.620	0.354	43.21	40.80	38.41	36.00
826-PTH03050WAD	PTH03050WAD	A	2.95-3.65VDC	0.8-2.5V	6A	15W	1.370	0.620	0.354	13.24	12.50	11.77	11.03
826-PTH03050WAZ	PTH03050WAZ	A	2.95-3.65VDC	0.8-2.5V	6A	15W	1.370	0.620	0.354	13.24	12.50	11.77	11.03
826-PTH03060WAD	PTH03060WAD	A	2.95-3.65VDC	0.8-2.5V	10A	25W	1.370	0.620	0.354	18.79	17.75	16.70	15.67
826-PTH03060WAZ	PTH03060WAZ	A	2.95-3.65VDC	0.8-2.5V	10A	25W	1.370	0.620	0.354	18.79	17.75	16.70	15.67
826-PTH05010WAD	PTH05010WAD	A	4.5-5.5VDC	0.8-3.6VDC	15A	54W	1.370	0.620	0.354	22.24	21.00	19.77	18.54
826-PTH05020WAD	PTH05020WAD	A	4.5-5.5VDC	0.8-3.6VDC	15A	54W	1.370	0.620	0.354	32.24	30.44	28.66	26.86
826-PTH05020WAZ	PTH05020WAZ	A	4.5-5.5VDC	0.8-3.6VDC	22A	79W	1.370	0.620	0.354	30.71	29.00	27.30	25.59
826-PTH05030WAD	PTH05030WAD	A	4.5-5.5VDC	0.8-3.6VDC	30A	108W	1.370	0.620	0.354	43.21	40.80	38.41	36.00
826-PTH05030WAZ	PTH05030WAZ	A	4.5-5.5VDC	0.8-3.6VDC	30A	108W	1.370	0.620	0.354	43.21	40.80	38.41	36.00
826-PTH05050WAD	PTH05050WAZ	B	4.5-5.5VDC	0.8-3.6VDC	6A	22W	1.370	0.620	0.354	12.62	11.92	11.22	10.52
826-PTH05060WAD	PTH05060WAD	B	4.5-5.5VDC	0.8-3.6VDC	10A	36W	1.370	0.620	0.354	18.79	17.75	16.70	15.67
826-PTH05060WAZ	PTH05060WAZ	B	4.5-5.5VDC	0.8-3.6VDC	10A	36W	1.370	0.620	0.354	17.91	16.92	15.92	14.93
826-PTH12010WAD	PTH12010WAD	B	10.8-13.2VDC	0.8-2.5VDC	12A	66W	1.370	0.620	0.354	22.24	21.00	19.77	18.54
826-PTH12020WAD	PTH12020WAD	B	10.8-13.2VDC	1.2-5.5VDC	18A	99W	1.370	0.620	0.354	32.24	30.44	28.66	26.86
826-PTH12050WAD	PTH12050WAD	B	10.8-13.2VDC	1.2-5.5VDC	6A	33W	1.370	0.620	0.354	12.62	11.92	11.22	10.52
826-PTH12050YAD	PTH12050YAD	B	10.8-13.2VDC	0.55V-1.8V	±6A	10.8W	0.87	0.50	0.34	14.02	12.83	11.71	10.58
826-PTH12060WAD	PTH12060WAD	C	2.95-3.65VDC	0.8-2.5V	10A	18W	1.370	0.620	0.354	18.79	17.75	16.70	15.67
826-PTH12060WAZ	PTH12060WAZ	C	2.95-3.65VDC	0.8-2.5V	10A	55W	1.370	0.620	0.354	18.79	17.75	16.70	15.67

For quantities greater than listed, call for quote.



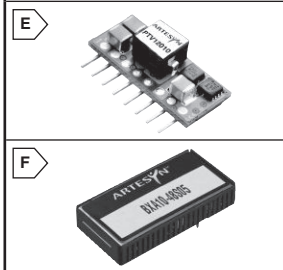
### POLA Non-Isolated DC-DC Converters PTV Series (20-88W)

Artesyn's POLA converters are pin-for-pin compatible with those produced by other members of the Point-of-Load Alliance. The PTV Series is a single output DC-DC converter with Auto-Track feature and a wide output voltage range.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Output Power	Dimensions: in.			Price Each			
							L	W	H	1	10	25	50
826-PTV03020WAD	PTV03020WAD	D	2.95-3.6VDC	0.8-2.5V	18A	45W	1.75	0.37	0.50	24.22	22.24	20.45	18.65
826-PTV05010WAD	PTV05010WAD	E	4.5-5.5VDC	0.8-3.6V	8A	28.8W	0.90	0.33	0.40	14.02	12.83	11.71	10.58
826-PTV05020WAD	PTV05020WAD	D	4.5-5.5VDC	0.8-3.6V	18A	64.8W	1.75	0.37	0.50	24.22	22.24	20.45	18.65
826-PTV12010LAD	PTV12010LAD	E	10.8-13.2VDC	0.8-1.8V	8A	15W	0.90	0.33	0.40	14.71	13.46	12.28	11.10
826-PTV12010WAD	PTV12010WAD	E	10.8-13.2VDC	1.2-5.5V	8A	44W	0.90	0.33	0.40	14.02	12.83	11.71	10.58
826-PTV12020LAD	PTV12020LAD	D	10.8-13.2VDC	0.8-1.8V	16A	28.8W	1.75	0.37	0.50	24.22	22.24	20.45	18.65
826-PTV12020WAD	PTV12020WAD	D	10.8-13.2VDC	1.2-5.5V	16A	88W	1.75	0.37	0.50	24.71	22.61	20.64	18.65



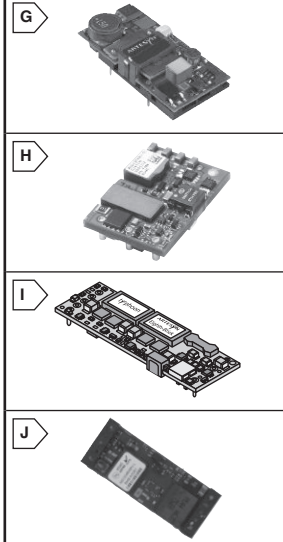
## ISOLATED DC-DC CONVERTERS

• Remote on/off (negative) • Through hole



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MOUSER STOCK NO.	Artesyn Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Output Power	Dimensions: in.			Price Each			
							L	W	H	1	10	25	50
<b>BXA10 Series Single Output</b> • 4:1 Input Range • Over voltage and short circuit protection													
826-BXA10-48S05J	BXA10-48S05J	F	18-75VDC	5V	2A	8-10W	2.00	1.00	0.395	71.03	64.99	59.31	53.62
<b>CXA10 Series Single/Dual Output</b> • 4:1 Input Range • Over voltage and short circuit protection													
826-CXA10-48D12J	CXA10-48D12J	G	18-75VDC	±12V	0.41A	10W	2.00	1.00	0.536	42.24	39.10	38.80	38.49
826-CXA10-48S12J	CXA10-48S12J	G	18-75VDC	12V	0.83A	10W	2.00	1.00	0.536	39.90	38.61	35.22	31.74
826-CXA10-48S3V3J	CXA10-48S3V3J	G	18-75VDC	3.3V	2.4A	10W	2.00	1.00	0.536	41.89	40.53	36.97	33.32
<b>ALD Series Sixteenth-Brick</b> • UVLO, OVP, OCP, OTP													
826-ALD03B48N-L	ALD03B48N-L	H	36-75VDC	12.0V	2.75A	33W	1.30	0.90	0.35	38.26	35.70	34.88	32.76
826-ALD07A48N-L	ALD07A48N-L	H	36-75VDC	5.0V	7.00A	35W	1.30	0.90	0.35	38.26	35.70	34.88	32.76
826-ALD10F48N-L	ALD10F48N-L	H	36-75VDC	3.3V	10.0A	33W	1.30	0.90	0.35	40.17	37.48	36.62	34.39
826-ALD11G48N-L	ALD11G48N-L	H	36-75VDC	2.5V	11.0A	27.5W	1.30	0.90	0.35	41.01	37.48	35.94	34.39
826-ALD13Y48N-L	ALD13Y48N-L	H	36-75VDC	1.8V	13.0A	23.4W	1.30	0.90	0.35	41.01	37.48	35.94	34.39
826-ALD15K48N-L	ALD15K48N-L	H	36-75VDC	1.2V	15.0A	18W	1.30	0.90	0.35	41.01	37.48	35.94	34.39
<b>LES Series Eighth-Brick</b> • OVP, OCP, OTP													
826-LES50A48-1V2REJ	LES50A48-1V2REJ	I	36-75VDC	1.2V	50A	60W	2.30	0.90	0.34	82.97	79.60	77.03	74.47
826-LES50A48-1V2REJ	LES50A48-1V2REJ	J	36-75VDC	1.2V	50A	60W	2.30	0.90	0.37	82.97	79.60	77.03	74.47
826-LES40A48-2V5REJ	LES40A48-2V5REJ	J	36-75VDC	2.5V	40A	100W	2.30	0.90	0.37	99.64	91.23	84.78	78.25
<b>AEO Series Eighth-Brick</b> • Baseplate • UVLO, OVP, OCP, OTP													
826-AEO04B48N-L	AEO04B48N-L	J	36-75VDC	12.0V	4A	48W	2.30	0.90	0.40	56.00	46.54	44.13	42.69
826-AEO20A48N-L	AEO20A48N-L	J	36-75VDC	5.0V	20A	100W	2.30	0.90	0.40	72.73	57.00	54.05	50.52
<b>LQ Series Quarter-Brick</b> • OVP, OTP													
826-LQ100A48-1V2REJ	LQS100A48-1V2REJ	K	36-75VDC	1.2V	100A	120W	2.30	1.45	0.34	134.81	121.40	108.00	104.85
826-LQS80A48-1V5REJ	LQS80A48-1V5REJ	K	36-75VDC	1.5V	80A	120W	2.30	1.45	0.34	129.32	126.08	120.58	106.64
826-LQS50A48-1V8REJ	LQS50A48-1V8REJ	K	36-75VDC	1.8V	50A	90W	2.30	1.45	0.34	113.56	108.88	100.15	96.01
826-LQS50A48-3V3REJ	LQS50A48-3V3REJ	K	36-75VDC	3.3V	50A	165W	2.30	1.45	0.340	113.56	108.88	100.15	96.01
826-LQS80A48-1V8REJ	LQS80A48-1V8REJ	K	36-75VDC	1.8V	80A	144W	2.30	1.45	0.34	134.81	121.40	108.00	104.85
826-LQS50A48-2V5REJ	LQS50A48-2V5REJ	K	36-75VDC	2.5V	50A	125W	2.30	1.45	0.34	113.56	108.88	100.15	96.01



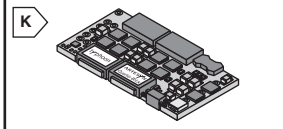
## ATCR250 SERIES INTEGRATED ATCA POWER ENTRY MODULE AND DC-DC BUS CONVERTERS

The ATCR250-48D12-03J is one of the only products available to integrate a 12V primary intermediate bus output with a secondary 3.3V management bus output, for ATCA control and monitoring functions.



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MOUSER STOCK NO.	Artesyn Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Output Power	Dimensions: in.			Price Each	
							L	W	H	1	10
826-ATCR25048D12-03J	ATCR250-48D12-03J	L	-48VDC	12.0V@20.83A 3.3V@4.5A		250W	2.32	1.81	0.83	230.90	221.85



## IMP300 SERIES 300W ATCA DUAL INPUT POWER MODULE

The IMP300 provides board designers with a rugged quarter-brick solution to implementing dual-redundant, hot-swap -48V inputs with EMI filtering. The new module also includes ORing, inrush control and protection, and power management functionality.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Output Power	Dimensions: in.			Price Each			
							L	W	H	1	25	50	
826-IMP300	IMP300	M	-48VDC	3.3V 5V	3.6A 0.15A	300W	2.30	1.45	0.58	125.81	118.33	106.09	100.65

