



ETA-USA

Your power supply experts

SWITCHING POWER SUPPLIES

AC INPUT
DC INPUT **SINGLE/MULTIPLE OUTPUT**



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3 YEAR WARRANTY



ETA-USA 1-800-ETA-POWR

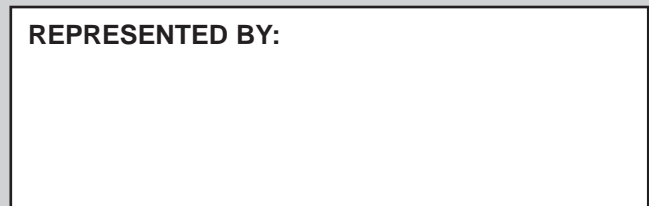
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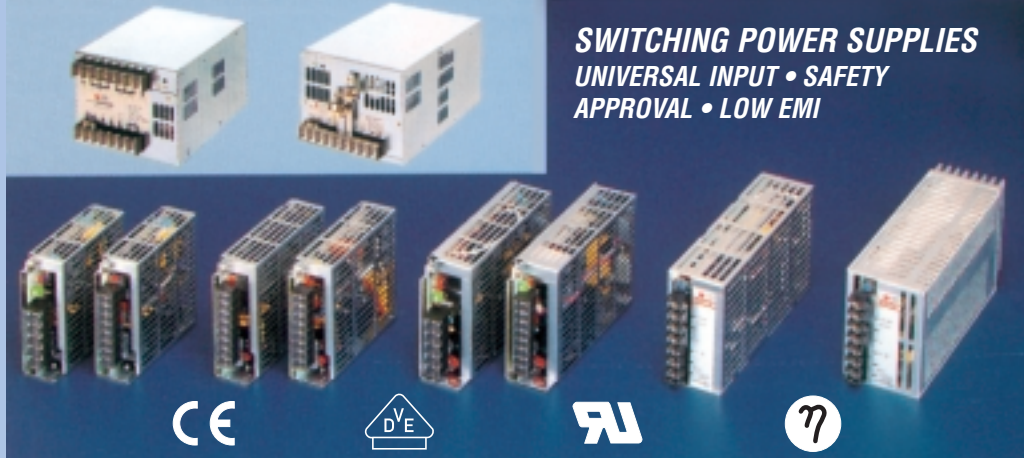
REPRESENTED BY:



WR SERIES

FEATURES:

1. Universal input 85 - 264 Vac
2. Approved: UL 1950, EN 60950, CSA 234
3. EMI: meets EN 55022 level B, FCC class B
4. Compact size
5. High efficiency & reliability
6. Output voltage adjustable
7. Over voltage over current protection
8. VDE, UL, cUL, CE-compliant



SWITCHING POWER SUPPLIES
UNIVERSAL INPUT • SAFETY
APPROVAL • LOW EMI

AC INPUT, SINGLE OUTPUT

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE					EFFICIENCY (%)
15W	85V-264 V	WRM-SX-U	1.31" x 3.88" x 3.82"	290	5V 3A	12V 1.3A	15 V 1A	24V 0.7A	48V 0.35A	75
					WRM05SX-U	WRM12SX-U	WRM15SX-U	WRM24SX-U	WRM48SX-U	
25W	85V-264 V	WRA-SX-U	1.3" x 4.51" x 3.82"	400	5V 5A	12V 2.1A	15V 1.7A	24V 1.1A	48V 0.55A	73
					WRA05SX-U	WRA12SX-U	WRA15SX-U	WRA24SX-U	WRA48SX-U	
30W	85V-264 V	WRT-SX-U	1.44" x 4.88" x 3.82"	400	5V 6.0A	12V 2.5A	15V 2.0A	24V 1.4A	48V 0.7A	78
					WRT05SX-U	WRT12SX-U	WRT15SX-U	WRT24SX-U	WRT48SX-U	
50W	85V-264 V	WRB-SX-U	1.56" x 6.26" x 3.82"	460	5V 10A	12V 4.2A	15V 3.4A	24V 2.1A	48V 1A	73
					WRB05SX-U	WRB12SX-U	WRB15SX-U	WRB24SX-U	WRB48SX-U	
75W	85V-264 V	WRC-SX-U	1.5" x 6.91" x 3.75"	520	5V 15A	6V 12.5A	12V 6.3A	15V 5A	24V 3.2A	80
					WRC05SX-U	WRC06SX-U	WRC12SX-U	WRC15SX-U	WRC24SX-U	
					30V 2.5A	36V 2.1A	48V 1.6A			84
					WRC30SX-U	WRC36SX-U	WRC48SX-U			
100W	85V-132V /170V-264V	WRD-SX-U	1.89" x 7.52" x 3.66"	690	5V 20A	12V 9A	15V 7A	24V 4.5A	48V 2.2A	81
					WRD05SX-U	WRD12SX-U	WRD15SX-U	WRD24SX-U	WRD48SX-U	
150W	85V-132V /170V-264V	WRE-SX-U	2.56" x 8.15" x 3.66"	1100	5V 30A	12V 14A	15V 11A	24V 7A	48V 3.5A	82
					WRE05SX-U	WRE12SX-U	WRE15SX-U	WRE24SX-U	WRE48SX-U	
300W	85V-132V /170V-264V	WRF-SX-U	4.72" x 6.69" x 3.66"	1800	5V 60A	6V 50A	12V 27A	15V 22A	24V 14A	79
					WRF05SX-U	WRF06SX-U	WRF12SX-U	WRF15SX-U	WRF24SX-U	
					30V 11A	36V 9A	48V 7A			84
450W	85V-132V /170V-264V	WRP-SX-U	4.72" x 7.48" x 3.66"	2000	5V 90A	6V 75A	12V 40A	15V 32A	24V 20A	80
					WRP05SX-U	WRP06SX-U	WRP12SX-U	WRP15SX-U	WRP24SX-U	
					30V 16A	36V 13A	48V 10A			85
600W	85V-132V /170V-264V	WRG-SX-U	4.72" x 7.87" x 3.66"	2900	5V 120A	6V 95A	12V 53A	15V 42A	24V 28A	80
					WRG05SX-U	WRG06SX-U	WRG12SX-U	WRG15SX-U	WRG24SX-U	
					30V 22A	36V 16A	48V 14A			86
					WRG30SX-U	WRG36SX-U	WRG48SX-U			

AC INPUT, MULTI OUTPUT 2ch

15W	85V-264V	WRM-FWX-U	1.32" x 3.88" x 3.82"	310	5V 1.2A	12V 0.8A	15V 0.5A	5V 1.8A	66
					24V 0.4A	12V 0.5A	15V 0.5A	12V 0.5A	
25W	85V-264V	WRA-FWX-U	1.32" x 4.59" x 3.82"	400	5V 2.6A	24V 0.85A	12V 1.2A	15V 0.85A	65
					24V 0.5A	5V 0.9A	12V 0.9A	15V 0.85A	
30W	85V-264V	WRT-FWX-U	1.44" x 4.88" x 3.82"	400	5V 2.6A	12V 1.7A	5V 0.9A		76
					12V 0.9A	5V 0.9A			
					WRA24FWX-U	WRA24FWX-B-U	WRA22FWX-U	WRA23FWX-U	
					24V 1A	12V 2A	15V 1A	12V 2A	
50W	85V-264V	WRB-FWX-U	1.56" x 6.26" x 3.82"	480	5V 1.5A	12V 0.8A	15V 1A	5V 1.5A	72
					24V 1.7A	12V 3A	15V 1.8A	12V 3.7A	
65W	85V-264V	WRBJ-FWX-U	1.67" x 6.85" x 3.82"	600	5V 1.8A	12V 1.2A	15V 1.5A	5V 1.8A	78
					WRB21FWX-B-U	WRB22FWX-U	WRB23FWX-U	WRB24FWX-B-U	
80W	85V-132V /170V-264V	WRCJ-FWX-U	1.65" x 8.19" x 3.86"	730	5V 7.5A	24V 1.8A P 2.3A	12V 3.5A P 4.5A	15V 2.5A	75
					24V 1.1A P 1.5A	5V 4.5A	12V 2.0A	15V 2.0A	
					WRBJ21FWX-U	WRBJ21FWX-B-U	WRBJ22FWX-B-U	WRBJ23FWX-U	
					5V 7.5A	12V 3.5A P 4.5A	5V 4.5A		
110W	85V-132V /170V-264V	WRDJ-FWX-U	1.89" x 8.74" x 3.86"	900	12V 2.3A P 2.8A	WRBJ24FWX-B-U			75
					WRBJ24FWX-U				
					+5V 0.5A-10A	+5V 0.2A-6A	+12V 0.2-5A	+15V 0.2-4A	
					+24V 2A P 3A	+24V 3A P 3.5A	+12V 4A P 5A	+15V 3.2A	
110W	85V-132V /170V-264V	WRDJ-FWX-U	1.89" x 8.74" x 3.86"	900	+5V 0.5A-10A	+5V 0.5A-6A	+12V 6A P 7A		75
					+12V 4A P 5A	+12V 6A P 7A			
					WRDJ24FWX-U	WRDJ24FWX-B-U			
					+5V 0.5A-15A	+12V 0.2A-7A	+15V 0.2-5.6A	+5V 0.5-15A	
110W	85V-132V /170V-264V	WRDJ-FWX-U	1.89" x 8.74" x 3.86"	900	+24V 0-3A P 4A	+12V 0-4.2A P 5A	+15V 0-3.6A	+12V 0-6A P 7A	75
					WRDJ21FWX-U	WRDJ22FWX-U	WRDJ23FWX-U	WRDJ24FWX-U	
					+24V 0-4.3A P 5A	+12V 0-4.2A P 5A	+15V 0-3.6A	+24V 0-4.3A P 5A	
								(V3)+5V 0-1.5A	

AC INPUT, MULTI OUTPUT 3ch, (4ch also available, contact ETA-USA for more information)

15W	85V-264V	WRM-00X-U	1.32" x 3.88" x 3.82"	310	5V 2A	5V 2A	5V 2A	66
					+12V 0.3A	+12V 0.3A	+15V 0.2A	
					-12V 0.2A	-5V 0.2A	-15V 0.2A	
25W	85V-264V	WRA-00X-U	1.3" x 4.6" x 3.82"	400	5V 3A	5V 3A	5V 3A	66
					+12V 0.5A	+12V 0.5A	+15V 0.35A	
					-12V 0.35A	-5V 0.35A	-15V 0.35A	
30W	85V-264V	WRT-00X-U	1.44" x 4.88" x 3.82"	430	5V 3A	5V 3A	5V 3A	73
					+12V 1.2A	+12V 1.2A	+15V 0.5A	
					-12V 0.3A	-5V 0.3A	-15V 0.5A	
50W	85V-264V	WRB-00X-U	1.56" x 6.26" x 3.82"	510	5V 5A	5V 5A	5V 5A	70
					+12V 1.5A	+12V 1.5A	+15V 1.2A	
					-12V 0.5A	-5V 0.5A	-15V 0.5A	
80W	85V-132V /170-264V	WRCJ-00X-U	1.65" x 8.19" x 3.86"	760	5V 10A	5V 10A	5V 10A	73
					+12V 4A P 5A	+12V 4A P 5A	+15V 3.2A	
					-12V 1A	-5V 1.5A	-15V 1A	
110W	85V-132V /170-264V	WRDJ-00X-U	1.89" x 8.74" x 3.86"	900	5V 15A	5V 15A	5V 15A	72
					+12V 1-15A	+12V 1-15A	+15V 1-15A	
					+12V 0-4.2A P 5A	+12V 0-4.2A P 5A	+15V 0-3.6A	
					WRDJ01X-U	WRDJ03X-U	WRDJ04X-U	

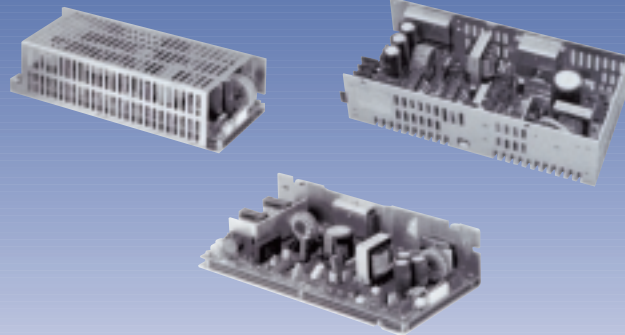
PF SERIES



FEATURES:

1. Designed for peak loads (twice rated output)
2. Power factor correction
3. Harmonic current complies to: IEC61000-3-2, EN61000-3-2
4. Universal input 85-264Vac
5. EMI designed to meet FCC Part 15-B Class B, EN55022 Class B, VCCI Class B
6. Safety: UL1950, CSA950 (C-UL), EN60950
7. Cost effective
8. CE-marked acc.to LVD
9. Optional Cover

SWITCHING POWER SUPPLIES
LOW LINE DISTORTION, POWER FACTOR CORRECTION,
PULSE LOAD RESPONSE, COST EFFECTIVE,



AC INPUT, SINGLE OUTPUT (other sizes available, contact ETA-USA for more information)

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
75W	85V-264V	PFC-SX-U Connector Type	3.74" x 7.87" x 1.77"	500	12V 6.3A P 12.6 A	24V 3.2A P 6.4A	36V 2.1A P 4.2A	PFC36SX-U	75
120W	85V-264V	PFD-SX-U Connector Type	3.74" x 8.66" x 2.17"	680	12V 10A P 20A PFD12SX-U	24V 5A P 10A PFD24SX-U	36V 3.4A P 6.7A PFD36SX-U	48V 2.5A P 5A BWM24SX	76
240W	85V-264V	PFE-HSX-U Screw Terminal Type	4.33" x 9.64" x 2.56"	1200	12V 10A P 36A PFE12HSX-U	24V 10A P 20A PFE24HSX-U	36V 6.7A P 13.4A PFE36HSX-U	48V 5.5A P 10A PFE48HSX-U	78

FH SERIES



FEATURES:

1. Power factor corrected
2. Harmonics acc. IEC 555-2
3. Power factor > .98
4. Safety: UL 1950, EN 60950, CSA 234
5. EMI/RFI complies to EN 55022/B, FCC/B
6. Immunity against surge & burst
7. Universal input (85 - 264 Vac)
8. VDE, UL, cUL, CE-compliant

SWITCHING POWER SUPPLIES
UNIVERSAL INPUT • SAFETY APPROVAL • LOW EMI
• POWER FACTOR CORRECTION AND LOW LINE DISTORTION



AC INPUT, SINGLE OUTPUT

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)		
100W	85V-264 V	FHD-SX-U	1.9" x 7.52" x 3.66"	630	5V 20A FHD05SX-U	12V 9A FHD12SX-U	15V 7A FHD15SX-U	24V 4.5A FHD24SX-U	48V 2.2A FHD48SX-U	77	
150W	85V-264 V	FHE-SX-U	2.56" x 8.15" x 3.66"	1200	3.3V 27A FHE3.3SX-U 48V 3.2A FHE48SX-U	5V 27A FHE05SX-U	12V 12.6A FHE12SX-U	15V 10A FHE15SX-U	24V 6.3A FHE24SX-U	76 83	
300W	85V-264 V	FHF-SX-U	4.72" x 6.69" x 3.66"	1900	3.3V 60A FHF3.3SX-U 24V 14A FHF24SX-U	5V 60A FHF05SX-U 30V 11A FHF30SX-U	6V 50A FHF06X-U 48V 7A FHF48SX-U	12V 27A FHF12SX-U 12V 40A FHF48SX-U	15V 22A FHF15SX-U	75 81	
450W	85V-264 V	FHP-SX-U	4.72" x 7.48" x 3.66"	2100	3.3V 90A FHP3.3SX-U 24V 20A FHP24SX-U	5V 90A FHP05SX-U 30V 16A FHP30SX-U	6V 75A FHP06X-U 48V 10A FHP48SX-U	12V 40A FHP12SX-U 48V 10A FHP48SX-U	15V 32A FHP15SX-U	70 79	
600W	85V-264 V	FHG-SX-U	5.12" x 7.87" x 3.66"	2600	3.3V 120A FHG3.3SX-U 24V 27A FHG24SX-U	5V 120A FHG05SX-U 30V 21.6A FHG30SX-U	6V 100A FHG06X-U 36V 18A FHG36SX-U	12V 53A FHG12SX-U 48V 13.5A FHG48SX-U	15V 42A FHG15SX-U	75 83	
1000W	85V-264V	FHH-SX-U	6.42" x 9.84" x 3.66"	3900	3.3V 200A FHH3.3SX-U 24V 44A FHH24SX-U	5V 200A FHH05SX-U 30V 35A FHH30SX-U	6V 167A FHH06SX-U 36V 29A FHH36SX-U	12V 88A FHH12SX-U 48V 22A FHH48SX-U	15V 70A FHH15SX-U	24V 3.2A FHH24SX-U	76 83

AC INPUT, MULTI OUTPUT 2 ch

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
170W	85V-264 V	FHKJ-FWX-U	2.36" x 9.84" x 4.92"	1200	5V 3 ~ 20A 24V 5A P 6.5A FHKJ21FWX-U	12V 0.45 ~ 4.5A 12V 10A P 13A FHKJ22FWX-U	15V 0.35 ~ 8A 12V 5.5A FHKJ23FWX-U	5V 3 ~ 20 A 12 V 10A P 13A FHKJ24FWX-U	70

AC INPUT, MULTI OUTPUT 3 ch

POWER	INPUT	SERIES NAME	DIMENSION(mm) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
170W	85V-264 V	FHKJ-00X-U	2.36" x 9.84" x 4.92"	1200	5V 3 ~ 20A +12V 6.5A P 8.5A -12V 1.5A FHKJ01X-U	5V 3 ~ 20A +12V 6.5A P 8.5A -5V 2A FHKJ03X-U	5V 3 ~ 20A +15V 5.5A -15V 1.2A FHKJ04X-U	5V 3 ~ 20A 24 V 3.3A P 4.3A 12V 1.5A FHKJ06X-U	70

AC INPUT, MULTI OUTPUT 4 ch

POWER	INPUT	SERIES NAME	DIMENSION(mm) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)		
170W	85V-264 V	FHKQ-00X-U	2.36" x 11.81" x 5.31"	1650	5V 3 ~ 20A 5V 6A +12V 2A P 2.5A -12V 2A P 2.5A FHKQ41X-U	15V 3 ~ 20A 12V 6.5A P 8.5A +12V 2A P 2.5A -12V 2A P 2.5A FHKQ42X-U	5V 3 ~ 20A 24V 3.3A P 4.3A +12V 2A P 2.5A -12V 2A P 2.5A FHKQ43X-U	5V 3 ~ 20A 5V6A +15 V 2A P 2.5A -15V 2A P 2.5A FHKQ44X-U	5V 3 ~ 15A 12V 6.5A P 8.5A +15V 2A P 2.5A -15V 2A P 2.5A FHKQ45X-U	5V 3 ~ 15A 24V 3.3A P 4.3A +15V 2A P 2.5A -15V 2A P 2.5A FHKQ46X-U	70

BF SERIES



FEATURES:

- Universal Input (85 to 264V)
- Power Factor Corrected
- Overcurrent Protection
- Oversvoltage Protection
- Ultra-Small Size
- Harmonic Current Complies to IEC 61000-3-2
- EMI Designed to meet EN55022 Class B
- Optional & Cover Chassis

SWITCHING POWER SUPPLIES
LOW LINE DISTORTION • POWER FACTOR CORRECTION
COST EFFECTIVE • FRAMELESS



AC INPUT SINGLE OUTPUT

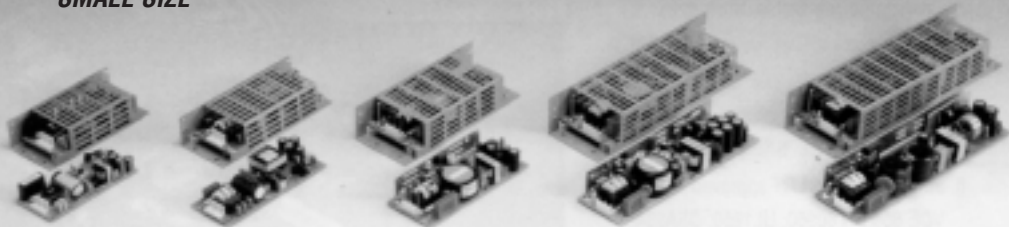
POWER	INPUT	SERIES NAME	W x L x H (inch)	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE								EFFICIENCY (%)	
100 W	85-264V	BFD-SX-U		320	BFD3.3SX-U	BFD05SX-U	BFD06SX-U	BFD09SX-U	BFD12SX-U	BFD15SX-U	BFD24SX-U	BFD36SX-U	BFD48SX-U	77
					3.3V—20A	5V—20A	6V—17A	9V—11A	12V—9A	15V—7A	24V—5A	36V—3.3A	48V—2.5A	
150 W	85-264V	BFE-SX-U	2.95" x 7.07" x 1.46"	420	BFE3.3SX-U	BFE05SX-U	BFE06SX-U	BFE09SX-U	BFE12SX-U	BFE15SX-U	BFE24SX-U	BFE36SX-U	BFE48SX-U	76
					3.3V—30A	5V—30A	6V—25A	9V—17A	12V—13A	15V—10.5A	24V—6.7A	36V—4.5A	48V—3.4A	

BW SERIES

FEATURES:

- Input 85-264 VAC
- Open frame type
- EMI: complies with EN55022B, FCC/B
- Low Cost
- Option: chassis + cover
- Mountable on any axis
- Safety: UL 1950, CSA (C-UL), EN60950
- CE-marked acc. to LVD
- Safety: VDE, UL, cUL

SWITCHING POWER SUPPLIES
UNIVERSAL INPUT • SAFETY APPROVAL •
SMALL SIZE



AC INPUT, SINGLE OUTPUT (other sizes available, contact ETA-USA for more information)

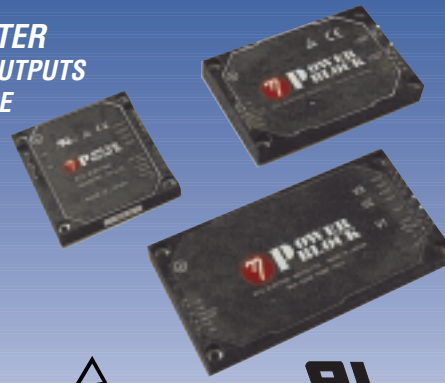
POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE					EFFICIENCY (%)
10W	85V-264	BWS-SX-U	1.97" x 4.13" x 0.79"	73	3.3V 2A	5V 2A	12V 0.9A	15V 0.7A	24V 0.5A	74
					BWS3.3SX-U	BWS05SX-U	BWS12SX-U	BWS15SX-U	BWS24SX-U	
15W	85V-264	BWM-SX-U	1.97" x 4.92" x 0.83"	110	3.3V 3A	5V 3A	12V 1.3A	15V 1A	24V 0.7A	73
					BWM3.3SX-U	BWM05SX-U	BWM12SX-U	BWM15SX-U	BWM24SX-U	
30W	85V-264	BWT-SX-U	2.17" x 5.24" x 1.02"	170	3.3V 6A	5V 6A	12V 2.5A	15V 2A	24V 1.3A	75
					BWT3.3SX-U	BWT05SX-U	BWT12SX-U	BWT15SX-U	BWT24SX-U	
					36V 0.9A	48V 0.7A				
50W	85V-264	BWB-SX-U	2.17" x 7.68" x 1.25"	260	3.3V 10A	5V 10A	12V 5A	15V 4A	24V 2.5A	75
					BWB3.3SX-U	BWB05SX-U	BWB12SX-U	BWB15SX-U	BWB24SX-U	
					30V 2A	36V 1.7A	48V 1.3A			
75W	85V-264	BWC-SX-U	2.17" x 8.74" x 1.26"	300	3.3V 15A	5V 15A	12V 6.3A	15V 5A	24V 3.2A P 4.5	81
					BWC3.3SX-U	BWC05SX-U	BWC12SX-U	BWC15SX-U	BWC24SX-U	
					30V 2.5A	36V 2.1A	48V 1.6A			
					BWC30SX-U	BWC36SX-U	BWC48SX-U			

EP SERIES

FEATURES:

1. DC/DC High Density Modules
2. High MtBF (1 Million Hr.)
3. Overcurrent Protection
4. Overvoltage Protection
5. Remote Sense, Remote Control on/off
6. Over temperature Protection
7. Wide Operating Temperature Range
8. UL, cUL, TUV

DC TO DC CONVERTER SINGLE & MULTIPLE OUTPUTS HIGH DENSITY MODULE



DC INPUT SINGLE OUTPUT

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE			
21W	36-75V	2.28" X 2.39" X .45"	EPT3.3SC48-A 3.3V—6.5A			
30W	36-75V	2.28" X 2.39" X .45"	EPT05SC48-A 5V—6A	EPT12SC48-A 12V—2.5A		
33W	20-60V	2.28" X 2.39" X .45"	EPB3.3DC36-A 3.3V—10A	EPB3.3SC28-A 3.3V—10A		
50W	36-72V	2.28" X 2.39" X .45"	EPB3.3SC48 3.3V—12.5A	EPB05SC48 5V—10A	EPB12SC48 12V—5A	EPB15SC48 15V—4A
50W	36-75V	2.28" X 2.39" X .45"	EPB05SC48-A 5V—10A	EPB12SC48-A 12V—4.2A	EPB24SC48-A 24V—2.1A	
50W	20-60V	2.28" X 2.39" X .45"	EPD2.5SC36-A 2.5V—20A	EPB05SC36-A 5V—10A	EPB12SC36-A 12V—4.2A	
50W	18-36V	2.28" X 2.39" X .45"	EPB05SC28-A 5V—10A	EPB12SC28-A 12V—4.2A	EPB24SC28-A 24V—2.1A	
75W	36-75V	2.28" X 2.39" X .45"	EPC05SC48-A 5V—15A	EPC12SC48-A 12V—6.3A	EPC24SC48-A 24V—3.1A	
75W	20-60V	2.28" X 2.39" X .45"	EPE2.5DC36-A 2.5V—30A	EPD3.3SC36-A 3.3V—20A	EPC05SC36-A 5V—15A	EPC12SC36-A 12V—6.3A
75W	18-36V	2.28" X 2.39" X .45"	EPE2.5SC28-A 2.5V—30A	EPD3.3SC28-A 3.3V—20A	EPC05SC28-A 5V—15A	EPC12SC28-A 12V—6.3A
100W	36-72V	2.28" X 2.39" X .45"	EPD3.3SC48 3.3V—25A	EPD05SC48 5V—20A	EPD12SC48 12V—10A	EPD15SC48 15V—8A
100W	36-75V	2.28" X 2.39" X .45"	EPD05SC48-A 5V—20A	EPD12SC48-A 12V—8.3A	EPD24SC48-A 24V—4.2A	EPD24SC48 24V—5A
100W	20-60V	2.28" X 2.39" X .45"	EPD05SC36-A 5V—20A	EPD12SC36-A 12V—8.3A		
100W	18-36V	2.28" X 2.39" X .45"	EPD05SC28-A 3.3V—40A	EPD12SC28-A 12V—8.3A	EPD24SC28-A 24V—4.2A	
150W	36-75V	2.28" X 2.39" X .45"	EPE05SC48-A 5V—30A	EPE12SC48-A 12V—12.5A	EPE24SC48-A 24V—6.3A	
150W	20-60V	2.28" X 2.39" X .45"	EPE05SC36-A 5V—30A			
150W	18-36V	2.28" X 2.39" X .45"	EPE05SC28-A 5V—30A	EPE12SC28-A 12V—12.5A	EPE24SC28-A 24V—6.3A	EPE28SC28-A 28V—5.3A
175W	18-36V	2.28" X 2.39" X .45"	EPO05SC28-A 5V—35A			
200W	36-75V	2.28" X 2.39" X .45"	EPO05SC48-A 5V—40A	EPO12SC48-A 12V—16.7A	EPO24SC48-A 24V—8.3A	EPO26SC48-A 26V—8.7A
240W	36-75V	2.28" X 2.39" X .45"	EPP12SC48-A 12V—20A	EPP24SC48-A 24V—10A		
240W	22-32V	2.40" X 3.59" X .49"	EPK05SC28 5V—40A	EPK12SC28 12V—20A	EPK15SC28 15V—16A	EPK24SC28 24V—10A
240W	36-72V	2.40" X 3.59" X .49"	EPK05SC48 5V—40A	EPK12SC48 12V—20A	EPK15SC48 15V—16A	EPK24SC48 24V—10A
240W	220-400V	2.40" X 3.59" X .49"	EPK05SC300 5V—40A	EPK12SC300 12V—20A	EPK15SC300 15V—16A	EPK24SC300 24V—10A
280W	18-30V	2.00" X 4.20" X .43"	EPF28SC28-A 25V—10A			
560W	36-60V	2.00" X 4.20" X .43"	EPG28SC28-A 28V—20A			
600W	360-400V	2.40" X 4.60" X .50"	EPG48SC380-A 48V—12.5A			
800W	360-400V	2.40" X 4.60" X .50"	EPH28SC380-A 28V—28.6A			

DC INPUT MULTI OUTPUT (3ch)

185W	22-32V	2.40" X 4.60" X .50"	EPKJ01C28 5V—35A 12V—3A 12V—3A	EPKJ04C28 5V—35A 15V—3A 15V—3A		
185W	36-72V	2.40" X 4.60" X .50"	EPKJ01C48 5V—35A 12V—3A 12V—3A	EPKJ04C48 5V—35A 15V—3A 15V—3A		
185W	220-400V	2.40" X 4.60" X .50"	EPKJ01C300 5V—35A 12V—3A 12V—3A	EPKJ04C300 5V—35A 15V—3A 15V—3A		

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EPX SERIES



**SWITCHING POWER SUPPLY
POWER FACTOR CORRECTION, FRONT END
HIGH DENSITY MODULE
AC/DC CONVERTER 380Vdc NON-ISOLATED**



FEATURES:

1. Wide input voltage range (AC 85V~265V)
2. High harmonic current regulation IEC61000-3-2
3. Power factor improvement type (0.95 or higher)
4. Small size, high efficiency 94% (for AC 240V input)
5. Wide operating temperature range (-40°C~100°C at the base plate)
6. Over current protection, over voltage protection,
7. Over temperature protection

AC INPUT SINGLE OUTPUT

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE	EFFICIENCY (%)
400W	85V-265V	EPX	2.40" x 4.60" x 0.5"	240	DC380V 0-1.6A EPX 380SX	75

*(600W)

*INPUT AC 105V 26-5V ONLY

OB-OH SERIES

FEATURES:

1. Super small size, low cost, light weight
2. Output trimming, high efficiency
3. Isolation voltage: 500V min.
4. Wide range input (4.5 - 72 V)
5. Wide operating temperature range
6. Small input current at no load
7. Fixed switching frequency 170 kHz
8. Over-current protection

**DC/DC CONVERTERS ON BOARD DC TO DC CONVERTER
SMALL SIZE • HIGH EFFICIENCY • LOW COST
WIDE INPUT (4.5 - 72 Vdc), 4 TO 1 INPUT RANGE**



DC INPUT, SINGLE OUTPUT

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
3W			0.79" x 1.26" x 0.41"	6	5V 0.5A	12V 0.25A	15 V 0.2A	24V 0.13A	70
	4.5-16V	OBQ-SC0512			OBQ05SC0512	OBQ12SC0512	OBQ15SC0512	OBQ24SC0512	
	8-32V	OBQ-SC1224			OBQ05SC1224	OBQ12SC1224	OBQ15SC1224	OBQ24SC1224	
	18-72V	OBQ-SC2448			OBQ05SC2448	OBQ12SC2448	OBQ15SC2448	OBQ24SC2448	
6W			1.14" x 1.81" x 0.41"	12	5V 1A	12V 0.5A	15 V 0.45A	24V 0.26A	72
	4.5-16V	OBR-SC0512			OBR05SC0512	OBR12SC0512	OBR15SC0512	OBR24SC0512	
	8-32V	OBR-SC1224			OBR05SC1224	OBR12SC1224	OBR15SC1224	OBR24SC1224	
	18-72V	OBR-SC2448			OBR05SC2448	OBR12SC2448	OBR15SC2448	OBR24SC2448	
10W			1.54" x 1.81" x 0.65"	14	5V 2A	12V 0.9A	15 V 0.7A	24V 0.45A	80
	8-18V	OBS-SC12			OBS05SC12	OBS12SC12	OBS15SC12	OBS24SC12	
	18-72V	OBS-SC2448			OBS05SC2448	OBS12SC2448	OBS15SC2448	OBS24SC2448	
10W			1" x 2" x 0.44"	14	5V 2A	12V 0.9A	15V 0.7A	24V 0.45A	78
	8-32V	OHS-SC1224			OHS05SC1224	OHS12SC1224	OHS15SC1224	OHS24SC1224	
	18-72V	OHS-SC2448			OHS05SC2448	OHS12SC2448	OHS15SC2448	OHS24SC2448	

DC INPUT, MULTI OUTPUT 2ch

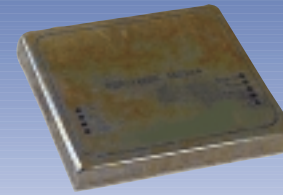
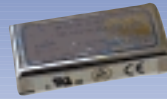
POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE		EFFICIENCY (%)
3W			0.79" x 1.26" x 0.41"	6	+12V 0.13A	+15V 0.1A	73
	4.5-16V	OBQ-WC0512			OBQ22WC0512	OBQ23WC0512	
	8-32V	OBQ-WC1224			OBQ22WC1224	OBQ23WC1224	
	18-72V	OBQ-WC2448			OBQ22WC2448	OBQ23WC2448	
6W			1.14" x 1.81" x 0.41"	12	+12V 0.13A	+15V 0.1A	74
	4.5-16V	OBR-WC0512			OBR22WC0512	OBR23WC0512	
	8-32V	OBR-WC1224			OBR22WC1224	OBR23WC1224	
	18-72V	OBR-WC2448			OBR22WC2448	OBR23WC2448	
10W			1.57" x 1.81" x 0.45"	14	+12V 0.13A	+15V 0.1A	82
	8-18V	OBS-WC12			OBS22WC12	OBS23WC12	
	18-72V	OBS-WC2448			OBS22WC2448	OBS23WC2448	
10W			1" x 2" x 0.44"	14	+12V 0.13A	+15V 0.1A	79
	8-32V	OHS-WC1224			OHS22WC1224	OHS23WC1224	
	18-72V	OHS-WC2448			OHS22WC2448	OHS23WC2448	

PM SERIES

DC TO DC CONVERTER BOARD MOUNT • SIX SIDED SHIELD

FEATURES:

1. DC/DC Power Supplies
2. Board Mount
3. Overcurrent Protection
4. 2:1 and 4:1 Input Range
5. Six-Sided shield
6. Efficiency Up to 91%
7. Remote on/off



DC INPUT, SINGLE OUTPUT

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE			
10W	12V	.400" X 2.00" X 1.00"	PMT10DC12S33	PMT10DC12S05	PMT10DC12S12	PMT10DC12S15
			3.3V—2A	5V—2A	12V— .83A	15V— .67A
	24V	.400" X 2.00" X 1.00"	PMT10DC24S33	PMT10DC24S05	PMT10DC24S12	PMT10DC24S15
			3.3V—2A	5V—2A	12V— .83A	15V— .67A
	48V	.400" X 2.00" X 1.00"	PMT10DC48S05	PMT10DC48S12	PMT10DC48S15	PMT10DC48D05
			5V—2A	12V— .83A	15V— .67A	+/-5V—+/-1A
15W	12V	.400" X 2.00" X 1.00"	PMT15EC12S33	PMT15EC12S05	PMT15EC12S12	PMT15EC12S15
			3.3V—4A	5V—3A	12V—1.25A	15V—1A
	24V	.400" X 2.00" X 1.00"	PMT15EC24S33	PMT15EC24S05	PMT15EC24S12	PMT15EC24S15
			3.3V—4A	5V—3A	12V—1.25A	15V—1A
	48V	.400" X 2.00" X 1.00"	PMT15EC48S33	PMT15EC48S05	PMT15EC48S12	PMT15EC48S15
			3.3V—4A	5V—2A	12V—1.25A	
20W	12V	.400" X 1.60" X 1.80"	PMT20DC12S33	PMT20DC12S05	PMT20DC12S12	PMT20DC12S15
			3.3V—4A	5V—4A	12V—1.67A	15V—1.33A
	24V	.400" X 1.60" X 1.80"	PMT20DC24S33	PMT20DC24S05	PMT20DC24S12	PMT20DC24S15
			3.3V—4A	5V—4A	12V—1.67A	
30W	24V	.400" X 1.60" X 1.80"	PMT30EC24S1P8	PMT30EC24S2P5	PMT30EC24S3P3	PMT30EC24S05
			1.8V—6A	2.5V—6A	3.3V—6A	5V—6A
	48V	.400" X 1.60" X 1.80"	PMT30EC24S12	PMT30EC24S15		
			12V—2.5A	15V—2A		
			PMT30EC48S1P8	PMT30EC48S2P5	PMT30EC48S3P3	PMT30EC48S05
			1.8V—6A	2.5V—6A	3.3V—6A	5V—6A
			PMT30EC48S12	PMT30EC48S15		
			12V—2.5A	15V—2A		

DC INPUT, MULTI OUTPUT 2ch

POWER	INPUT	DIMENSION(mm) W x L x H	OUTPUT / MODEL NAME / ORDER-CODE		
10W	12V	.400" X 2.00" X 1.00" +/- 5V—+/-1A	PMT10DC12D05	PMT10DC12D12	PMT10DC12D15
			+/-12V—+/- .41A	+/-15V—+/- .33A	
	24V	.400" X 2.00" X 1.00"	PMT10DC24D05	PMT10DC24D12	PMT10DC24D15
			+/-5V—+/-1A	+/-12V—+/- .41A	+/-15V—+/- .33A
15W	12V	.400" X 2.00" X 1.00"	PMT15EC12D05	PMT15EC12D12	PMT15EC12D15
			+/-5V—+/-1.50A	+/-12V—+/- .62A	+/-15V—+/- .50A
	24V	.400" X 2.00" X 1.00"	PMT15EC24D05	PMT15EC24D12	PMT15EC24D15
			+/-5V—+/-1.50A	+/-12V—+/- .62A	+/-15V—+/- .50A
20W	12V	.400" X 1.60" X 1.80"	PMT20DC12D05	PMT20DC12D12	PMT20DC12D15
			+/-5V—+/-2A	+/-12V—+/- .83A	+/-15V—+/- .66A
	24V	.400" X 1.60" X 1.80"	PMT20DC24D05	PMT20DC24D12	PMT20DC24D15
			+/-5V—+/-2A	+/-12V—+/- .83A	+/-15V—+/- .66A

DC INPUT, MULTI OUTPUT 3ch

POWER	INPUT	DIMENSION(mm) W x L x H	OUTPUT / MODEL NAME / ORDER-CODE		
20W	12V	.400" X 1.60" X 1.80"	PMT20DC12T3312	PMT20DC12T3315	PMT20DC12T0512
			3.3V—3A	3.3V—3A	5V—2A
			+/-12V—+/- .30A	+/-15V—+/- .25A	+/-12V—+/- .30A
			PMT20DC12T0515		
			5V—2A		
			+/-15V—+/- .25A		

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SV-VT SERIES

FEATURES:

1. Broad Selection: 264 Models, 12.5 TO 150W
2. Compact
3. High Performance & Reliability
4. Compact Size
5. Excellent for Equipment/Din Rail Application
6. Isolated Outputs

SCREW TYPE TERMINAL DC-DC CONVERTER



SINGLE OUTPUT (SV SERIES) Very Small: High Efficiency.

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
15W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	SVM-SC12 SVM-SC24 SVM-SC48 SVM-SD	2.36" x 3.27" x 0.79"	120	5V 3.0A	12V 1.3A	15V 1.0A	24V 0.7A	
					SVM05SC12	SVM12SC12	SVM15SC12	SVM24SC12	79
					SVM05SC24	SVM12SC24	SVM15SC24	SVM24SC24	79
					SVM05SC48	SVM12SC48	SVM15SC48	SVM24SC48	81
					SVM05SD	SVM12SD	SVM15SD	SVM24SD	80
					48V 0.35A				
					SVM48SC12				83
					SVM48SC24				85
					SVM48SC48				86
					SVM48SD				85
25W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	SVM-SC12 SVA-SC24 SVA-SC48 SVA-SD	2.87" x 3.74" x 0.94"	210	5V 5.0A	12V 2.1A	15V 1.7A	24V 1.1A	
					SVA05SC12	SVA12SC12	SVA15SC12	SVA24SC12	78
					SVA05SC24	SVA12SC24	SVA15SC24	SVA24SC24	79
					SVA05SC48	SVA12SC48	SVA15SC48	SVA24SC48	81
					SVA05SD	SVA12SD	SVA15SD	SVA24SD	78
					48V 0.5A				
					SVA48SC12				83
					SVA48SC24				86
					SVA48SC48				88
					SVA48SD				83
50W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	SVB-SC12 SVB-SC24 SVB-SC48 SVB-SD	3.27" x 4.41" x 1.30"	410	5V 8A	12V 3.3A	15V 2.7A	24V 1.7A	
					SVB05SC12	SVB12SC12	SVB15SC12	SVB24SC12	78
					48V 1.1A				
					SVB48SC12				85
					5V 10A	12V 4.3A	15V 3.4A	24V 2.5A	
					SVB05SC24	SVB12SC24	SVB15SC24	SVB24SC24	81
					SVB05SC48	SVB12SC48	SVB15SC48	SVB24SC48	82
					SVB05SD	SVA12SD	SVA15SD	SVA24SD	81
					48V 1.1A				
					SVB48SC24				88
SVB48SC48				89					
SVB48SD				87					

SINGLE OUTPUT (VT SERIES) Small Size, High Efficiency.

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)	
15W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	VTM-SC12 VTM-SC24 VTM-SC48 VTM-SD	3.15" x 4.65" x 0.98"	250	5V 3A	12V 1.2A	15V 1A	24V 0.62A		
					VTM05SC12	VTM12SC12	VTM15SC12	VTM24SC12	70	
					VTM05SC24	VTM12SC24	VTM15SC24	VTM24SC24	70	
					VTM05SC48	VTM12SC48	VTM15SC48	VTM24SC48	70	
					VTM05SD	VTM12SD	VTM15SD	VTM24SD	70	
					VTM48SC12					
25W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	VTA-SC12 VTA-SC24 VTA-SC48 VTA-SD	3.35" x 5.31" x 1.22"	210	5V 5.0A	12V 2.1A	15V 1.7A	24V 1.1A		
					VTA05SC12	VTA12SC12	VTA15SC12	VTA24SC12	78	
					VTA05SC24	VTA12SC24	VTA15SC24	VTA24SC24	79	
					VTA05SC48	VTA12SC48	VTA15SC48	VTA24SC48	81	
					VTA05SD	VTA12SD	VTA15SD	VTA24SD	78	
					48V 0.35A					
					VTA48SC12				76	
					VTA48SC24				82	
					VTA48SC48				84	
					VTA48SD					
50W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	VTB-SC12 VTB-SC24 VTB-SC48 VTB-SD	3.78" x 6.30" x 1.30"	410	5V 8.0A	12V 3.3A	15V 2.7A	24V 1.7A		
					VTB05SC12	VTB12SC12	VTB15SC12	VTB24SC12		
					48V 0.8A					
					VTB48SC12					
					5V 10A	12V 4.3A	15V 3.4A	24V 2.5A		
					VTB05SC24	VTB12SC24	VTB15SC24	VTB24SC24		
					VTB05SC48	VTB12SC48	VTB15SC48	VTB24SC48		
					VTB05SD	SVA12SD	SVA15SD	SVA24SD		
					48V 1A					
					VTB48SC24					
VTB48SC48										
VTB48SD										
100W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	VTD-SC12 VTD-SC24 VTD-SC48 VTD-SD	1.89" x 7.48" x 3.82"	800	5V 18A	12V 9A	15V 7A	24V 4.5A	48V 2.2A	
					VTD05SC12	VTD12SC12	VTD15SC12	VTD24SC12	VTD48SC12	78
					5V 20A	12V 9A	15V 7A	24V 5A	48V 2A	
					VTD05SC24	VTD12SC24	VTD15SC24	VTD24SC24	VTD48SC24	81
					VTD05SC48	VTD12SC48	VTD15SC48	VTD24SC48	VTD48SC48	82
					VTD05SD	VTD12SD	VTD15SD	VTD24SD	VTD48SD	81
150W	9.2V ~ 16V 19V ~ 32V 38V ~ 63V 85V ~ 140V	VTE-SC12 VTE-SC24 VTE-SC48 VTE-SD	2.76" x 7.87" x 3.82"	1.4kg	5V 27A	12V 13A	15V 10A	24V 6.5A	48V 3.3A	
					VTE05SC12	VTE12SC12	VTE15SC12	VTE24SC12	VTE48SC12	79
					5V 30A	12V 14A	15V 11A	24V 7A	48V 3.5A(4.2A)	
					VTE05SC24	VTE12SC24	VTE15SC24	VTE24SC24	VTE48SC24	81
					VTE05SC48	VTE12SC48	VTE15SC48	VTE24SC48	VTE48SC48	82
					VTE05SD	VTE12SD	VTE15SD	VTE24SD	(VTE48SD)	81

MULTI OUTPUT 2CH (VT SERIES) Small Size, High Efficiency.

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
15W			3.15" x 4.64" x 0.98"	250	+12V 0.75A	+15V 0.5A	+12V 0.8A		
					-12V 0.5A	-15V 0.5A	-5V 0.8A		
	9.2V ~ 16V	VTM-WC12			VTM22WC12	VTM23WC12	VTM24WC12		70
	19V ~ 32V	VTM-WC24			VTM22WC24	VTM23WC24	VTM24WC24		70
	38V ~ 63V	VTM-WC48			VTM22WC48	VTM123WC48	VTM24WC48		70
85V ~ 140V	VTM-WD	VTM22WD	VTM23WD	VTM24WD		70			
25W			3.35" x 5.315" x 1.22"	390	5V 2.8A	24V 0.9A(0.83A)	12V 1.2A	15V 1A	
					24V 0.45A	5V 1A	12V 0.9A	15V 0.7A	
	9.2V ~ 16V	VTA-SC12			VTA21FW12	(VTA21FWC12B)	VTA22FWC12	VTA23FWC12	77
	19V ~ 32V	VTA-SC24			VTA21FW24	VTA21FWC24B	VTA22FWC24	VTA23FWC24	76
	38V ~ 63V	VTA-SC48			VTA21FW48	VTA21FWC48B	VTA22FWC48	VTA23FWC48	75
	85V ~ 140V	VTA-SD			VTA21FWD	VTA21FWDB	VTA22FWD	VTA23FWD	76
					5V 2.8A	12V 1.6A			
					12V 0.9A	5V 1.2A			
					VTA24FWC12	VTA24FWC12B			
					VTA24FWC24	VTA24FWC24B			
					VTA24FWC48	VTA24FWC24B			
					VTA24FWD	VTA24FWDB			
	45W					3.78" x 6.30" x 1.30"	480	5V 5.0A	24V 0.15A
			5V 0.75A	5V 1.4A	15V 1.7A			12V 0.6A	
9.2V ~ 16V		VTB-FWC12	VTB21FWC12	VTB21FWC12B	VTB22FWC12			VTB22FWC12B	78
19V ~ 32V		VTB-FWC24	15V 1.5A	5V 5A	12V 3A				
38V ~ 63V		VTB-FWC48	15V 1.3A	12V 1.5A	5V 1.4A				
85V ~ 140V		VTB-00D	VTB23FWC12	VTB24FWC12	VTB24FWC12B				78
			5V 5A	24V 1.5A	12V 2A			12V 3A	
			24V 0.85A	5V 1.5A	12V 1.7A			12V 0.8A	
			VTB21FWC24	VTB21FWC24B	VTB22FWC24			VTB22FWC48B	80
			VTB21FWC48	VTB21FWC48B	VTB22FWC48			VTB22FWC24B	79
			VTB21FWD	VTB21FWDB	VTB22FWD			VTB22FWDB	79
			15V 1.7A	5V 5A	12V 3A				
			15V 1.35A	12V 1.7A	5V 1.5A				
			VTB23FWC24	VTB24FWC24	VTB24FWC24B				78
			VTB23FWC48	VTB24FWC48	VTB24FWC48B				79
			VTB23FWD	VTB24FWD	VTB24FWDB				79

MULTI OUTPUT 3CH (VT SERIES) Small Size, High Efficiency.

POWER	INPUT	SERIES NAME	DIMENSION(inch) W x L x H	WEIGHT g	OUTPUT / MODEL NAME / ORDER-CODE				EFFICIENCY (%)
12.5W			3.15" x 4.65" x 0.98"	250	5V 1.8A	5V 1.8A	5V 1.8A		
					+12V 0.15A	+12V 0.15A	+15V 0.12A		
					-12V 0.15A	-5V 0.15A	-15V 0.12A		
	9.2V ~ 16V	VTM-00C12			VTM01C12	VTM03C12	VTM04C12		62
	19V ~ 32V	VTM-00C24			VTM01C24	VTM03C24	VTM04C24		62
38V ~ 63V	VTM-00C48	VTM01C48	VTM103C48	VTM04C48		62			
85V ~ 140V	VTM-00D	VTM01D	VTM03D	VTM04D		62			
25W			3.35" x 5.31" x 1.22"	390	5V 2.8A	12V 1.5A	5V 2.8A	5V 2.8A	
					+12V 0.5A	+5V 0.7A	-12V 0.5A	+15V 0.36A	
					-12V 0.4A	-12V 0.25A	-5V 0.5A	-15V 0.36A	
	9.2V ~ 16V	VTA-00C12			VTA01C12	VTA01C12B	VTA03C12	VTA04C12	74
	19V ~ 32V	VTA-00C24			VTA01C24	VTA01C24B	VTA03C24	VTA04C24	75
38V ~ 63V	VTA-00C48	VTA01C48	VTA01C48B	VTA03C48	VTA04C48	74			
85V ~ 140V	VTA-00D	VTA01D	VTA01DB	VTA03D	VTA04D	73			
45W			3.78" x 6.30" x 1.30"	480	5V 5.0A	12V 2.7A	5V 5A	5V 5A	
					+12V 0.73A	+5V 1A	+12V 0.73A	+15V 0.6A	
					-12V 0.73A	-12V 0.3A	-5V 0.73A	-15V 0.6A	
	9.2V ~ 16V	VTB-00C12			VTB01C12	VTB01C12B	VTB03C12	VTB04C12	76
	19V ~ 32V	VTB-00C24			5V 5A	12V 3A	5V 5A	5V 5A	
	38V ~ 63V	VTB-00C48			+12V 0.83A	+5V 1A	+12V 0.83A	+15V 0.65A	
	85V ~ 140V	VTB-00D			-12V 0.83A	-12V 0.4A	-5V 0.83A	-15V 0.65A	
					VTB01C24	VTB01C24B	VTB03C24	VTB04C24	76
					VTB01C48	VTB01C48B	VTB03C48	VTB04C48	78
					VTB01D	VTB01DB	VTB03D	VTB04D	75

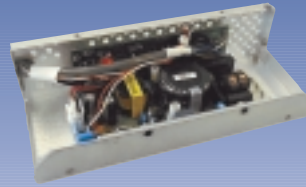
Please call us at 1-800-ETA-POWR for products not shown here, and to discuss your individual needs.
For more information visit our homepage at www.eta-usa.com

CV SERIES

FEATURES:

1. Battery Charger / Battery Back-up
2. 10 to 50 Watts
3. Charge Temperature Compensation
4. Output Current Limiting
5. Low Battery Voltage Disconnect
6. Battery Indicators and Alarms
7. Automatic Charging of Lead-acid Batteries

**BATTERY CHARGE / UPS
UNIVERSAL INPUT
ACCURATE CHARGING FOR LEAD-ACID BATTERIES / DC OUTPUT**



AC INPUT, SINGLE OUTPUT

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE			
10W	85 - 264	2.25" x 4.13" x .90"	CVS12BC 12V—9A	CVS15BC 15V—7A	CVS24BC 24V—5A	
15W	85 - 264	2.25" x 4.92" x .90"	CVM12BC 12V—1.3A	CVM15BC 15V—1A	CVM24BC 24V—7A	
30W	85 - 264	3.25" x 5.25" x 1.0"	CVT12BC 12V—2.5A	CVT15BC 15V—2A	CVT24BC 24V—1.3A	CVT48BC 48V—7A
50W	85 - 264	TBD	CVB12BC 12V—5A	CVB15BC 15V—4A	CVB24BC 24V—2.5A	CVB48BC 48V—1.3A
200W	85 - 264	TBD	MPS1058-000 5V—22A 3.3V—12A 12V—6A -5V—5A -12V—8A 5V—.75A sb			

MD SERIES



FEATURES:

1. Wide Input Voltage Range
2. High Power Factor and Efficiency
3. N+1 Redundancy
4. Hot Swappable
5. Remote Monitoring
6. Over Voltage Protection
7. Over Current Protection

**TELECOMMUNICATION RECTIFIER
UNIVERSAL INPUT • SAFETY APPROVAL
LOW EMI • POWER FACTOR CORRECTION
HOT PLUG REDUNDANT**



AC INPUT, SINGLE OUTPUT (Multi-outputs also available, contact ETA-USA for more information)

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE
480W	90 - 220V	5.19" X 5.59" X 11.81	MD-1/2-24RD20-7120 +24V—20A
480W	90 - 220V	3.45" X 5.58" X 13.96"	MD-1/2-48RD10-980090 -48V—10A
480W	220V 3ph	5.19" X 5.55" X 15.35"	MD-1/2-48RD10-6010 -48V—10A
1536W	200 - 240V	6.29" x 5.55" x 13.81"	MD-2/0-58R32-990020 -58V—32A
1680W	200 - 240V	6.92" x 5.55" x 13.77"	MD-2/0-24RD70-8570 +24V—70A
1680W	90 - 240V	6.92" X 5.55" X 14.25"	MD-2/0-48RD35-6035 -48V—35A
2400W	200 - 240V	6.92" X 5.55" X 14.56"	MD-2/0-48RD50-980120 -48V—50A
5400W	266 - 494V 3ph	6.92" X 19.0" X 14.84"	RK-23/048RD100-7200 48V—100A

POWER SUPPLY SHELF

10/20A	200 - 240V	19.00" X 5.25" X 19.88"	SH-2/1-48R20
12/25A	110 - 240V	19.00" X 5.25" X 21.25"	SH-1/0-48R25

DT SERIES

FEATURES:

1. Desk-Top Power Supply
2. Universal Input
3. Overcurrent Protection
4. Overvoltage Protection
5. Convection Cooling

**DESKTOP POWER SUPPLY
UNIVERSAL INPUT
SHORT CIRCUIT PROTECTION**



AC INPUT SINGLE OUTPUT (Multi-outputs also available, contact ETA-USA for more information)

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE			
12W	90 – 264V	1.06" X 3.66" X 1.57"	DTM5.25SX-A 5.25V—2.5A			
15W	90 – 264V	1.00" X 3.35" X 2.20"	DTM500SX 5V—3.0A	DTM120SX 12V—1.5A	DTM150SX 15V—1.0A	DTM240SX 24V—.62A
30W	90 – 264V	1.06" X 3.87" X 1.77"	DTT7.5 SX-A 7.5V—4A	DTT 12SX-A 12V—2.5A		
36W	90 – 264V	1.40" X 4.70" X 2.40"	DTT12SX 12V—3.0A	DTT14SX 14V—3.0A	DTT24SX 24V—1.5A	DTT48SX 48V—.75A
45W	90 – 264V	1.06" X 3.87" X 1.77"	DTB12SX-A 12V—3.6A	DTB19SX-A 19V—2.4A		
60W	90 – 264V	1.18" X 5.11" X 2.20"	DTL19SX-A 19V—3.16A			
90W	90 – 264V	1.18" X 5.23" X 2.28"	DTD19SX-A 19V—4.74A			

WALL MOUNT ADAPTERS

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE				
8W	90 – 264V	1.01" X 2.34" X 1.92"	WMS3.3SX-A 3.3V—1.6A	WMS05SX-A 5V—1.5A	WMS06SX-A 6V—1.33A	WMS6.5SX-A 6.5V—1.23A	WMS07SX-A 7V—1.4A
			WMS7.5SX-A 7.5V—1.06A	WMS09SX-A 9V—.88A	WMS12SX-A 12V—.67A	WMS15SX-A 15V—.53A	
			WTS3.3SX-A 3.3V—1.6A	WTS05SX-A 5V—1.5A	WTS06SX-A 6V—1.33A	WTS6.5SX-A 6.5V—1.23A	WTS07SX-A 7V—1.4A
			WTS7.5SX-A 7.5V—1.06A	WTS09SX-A 9V—.88A	WTS12SX-A 12V—.67A	WTS15SX-A 15V—.53A	

FXA SERIES

FEATURES:

1. Flex ATX Power Supply
2. 120 to 150 Watts
3. Forward Converter Circuit
4. Over Voltage / Current Protection
5. Short Circuit Protection on all outputs
6. Complies to Flex ATX Specification
7. 100% Hi-pot Tested

**FLEX S/B X POWER SUPPLY
HIGH EFFICIENCY AND RELIABILITY
SHORT CIRCUIT PROTECTION**



AC INPUT MULTI OUTPUT

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE
120W	90 – 264 Vac	2.55" x 6.69" x 3.14"	FXA120AS 3.3V—8A +5V—15A +12V—4A -12V—.5A +5V—2A sb
135W	90 – 264 Vac	1.69" x 7.51" x 3.22"	FXA135AP 3.3V—8A +5V—15A -12V—0.5A +5V—2A sb
150W	90 – 264 Vac	2.55" x 6.69" x 3.14"	FXA150AN 3.3V—8A +5V—15A -12V—0.5A +5V—2A sb

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For more information visit our homepage at www.eta-usa.com

PC SERIES

FEATURES:

1. ATX Power Supply
2. 230 to 430 Watts
3. +5V Stand-by
4. Standard PC Connections
5. Over Voltage / Current Protection
6. Low Noise Fan
7. 100% Hi-pot Tested

ATX POWER SUPPLIES ATX IU • ATX REDUNDANT



AC INPUT, MULTI OUTPUT

POWER	INPUT	DIMENSION W x L x H		OUTPUT / MODEL NAME / ORDER-CODE
230W	90-132 180-264	5.90" x 3.38" x 5.51"		PCB258SX 3.3V—18A +5V—20A +12V—9A -12V—1A -5V—1A +5V—1.8A sb
300W	90-132 180-264	5.90" x 3.38" x 5.51"		PCB301SXB 3.3V—28A +5V—30A +12V—15A -5V—1A -12V—1A +5V—2.2A sb
350W	90-132 180-264	5.90" x 3.38" x 5.51"		PCB365SXE 3.3V—32A +5V—32A +12V—17A -5V—1A -12V—1A +5V—2.2A sb
430W	90-132 180-264	5.90" x 3.38" x 5.51"		PCB465SXE 3.3V—38A +5V—44A +12V—20A -5V—2A -12V—1A +5V—2.2A sb
250W	90-132 180-264	3.93" x 1.59" x 7.48"	I U High	PCE250SX 3.3V—15A +5V—30A +12V—10A -5V—5A -12V—5A +5V—1.5A sb
300W	90-132 180-264	5.90" x 3.38" x 6.69"	REDUNDANT	PCHP3006 3.3V—15A +5V—35A +12V—15A -5V—5A -12V—8A +5V—1.5A sb
450W	90-132 180-264	5.90" x 3.38" x 7.24"	N+1 REDUNDANT	PCHP450R3 3.3V—25A +5V—45A +12V—25A -5V—2A -12V—2A +5V—2.5A sb

IU(Q) SERIES

FEATURES:

1. Multiple Outputs
2. Redundant / Hot-plug
3. Power Factor Corrected
4. 1U (1.6") High
5. Universal Input 85 – 264 VAC
6. Over current / Voltage Protection
7. Current Sharing



I U HIGH POWER SUPPLY
UNIVERSAL INPUT
POWER FACTOR
HOT PLUG



AC INPUTS MULTI OUTPUT

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE				
200W	85 – 264	1.60" X 5.00" X 11.50"	1UEQ201HP	1UEQ202HP	1UEQ203HP	1UEQ204HP	
			5V—25A	5V—25A	5V—25A	3.3V—25A	
			3.3V—25A	12V—10A	15V—6A	12V—10A	
			1UEQ301HP	1UEQ302HP	1UEQ303HP	1UEQ304HP	1UEQ305HP
			5V—25A	5V—25A	5V—25A	5V—25A	5V—30A
			12V—8A	3.3V—20A	12V—8A	15V—6A	15V—2A
			12V—3A	12V—3A	5V—4A	15V—3A	15V—2A
			1UEQ401HP	1UEQ402HP	1UEQ403HP	1UEQ404HP	
			5V—25A	5V—25A	5V—25A	5V—25A	
			12V—8A	12V—8A	3.3V—15A	3.3V—15A	
			12V—3A	12V—3A	12V—3A	12V—3A	
			12V—3A	5V—3A	12V—3A	5V—3A	
			300W	85 – 264	1.60" X 5.00" X 11.50"	1UFQ201HP	1UFQ202HP
5V—40A	5V—40A	5V—40A				3.3V—40A	
3.3V—40A	12V—15A	15V—15A				12V—15A	
1UFQ301HP	1UFQ302HP	1UFQ303HP				1UFQ304HP	1UFQ305HP
5V—30A	5V—30A	5V—30A				5V—30A	3.3V—30A
12V—10A	3.3V—30A	12V—10A				15V—8A	12V—10A
12V—3A	12V—3A	5V—3A				15V—3A	12V—3A
1UFQ401HP	1UFQ402HP	1UFQ403HP				1UFQ404HP	
5V—30A	5V—30A	5V—30A				5V—30A	
12V—9A	12V—9A	3.3V—30A				3.3V—30A	
12V—3A	12V—3A	12V—3A				12V—30A	
-12V—1A	-5V—1A	-12V—1A				-5V—1A	

IU(s) SERIES

FEATURES:

1. Single Outputs
2. Redundant / Hot-plug
3. Power Factor Corrected
4. 1U (1.6") High
5. Universal Input 85 – 264 VAC
6. Over current / Voltage Protection
7. Current Sharing



I U HIGH POWER SUPPLY
UNIVERSAL INPUT
POWER FACTOR
HOT PLUG



AC INPUT SINGLE OUTPUT

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE				
200W	85 – 264	1.60" X 5.00" X 9.50"	1UE15HP	1UE24HP	1UE28HP	1UE48HP	1UE54HP
			15V—13.3A	24V—8.3A	28V—7.2A	48V—4.2A	54V—3.7A
300W	85 – 264	1.6" X 5.00" X 9.50"	1UF12HP	1UF15HP	1UF24HP	1UF28HP	1UF48HP
			12V—25A	15V—20A	24V—12.5A	28V—10.7A	48V—6.3A
400W	85 - 264	1.6" X 5.00" X 9.50"	1UP24HP	1UP28HP	1UP48HP	1UP54HP	
			24V—16.7A	28V—14.3A	48V—8.3A	54V—7.4A	
600W	85 - 264	1.6" X 5.20" X 10.20"	1UG24HP	1UG28HP	1UG48HP	1UG54HP	
			24V—25A	28V—21.4A	48V—12.5A	54V—11.1A	

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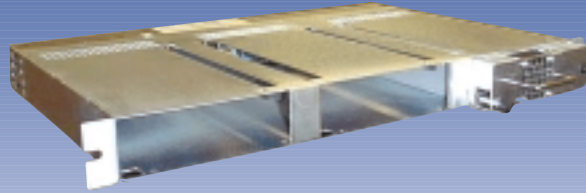
IURACK SERIES

FEATURES:

1. Hot Plug
2. 1U (1.75") High 19" Rack
3. Universal Input 85 – 264 VAC
4. Accepts Up to Three Hot Plug Power Supplies



1 U HIGH POWER SUPPLY RACK



AC INPUT, SINGLE OUTPUT

DIMENSION W x L x H

19" X 1.75" X 12"

For use with IU series (contact factory for configuration)

ET SERIES



FEATURES:

1. Power Factor Correction
2. Output Fully Floating
3. Overcurrent Protection
4. Overvoltage Protection
5. Remote Sense
6. Over temperature Protection
7. Parallel Outputs

HIGH POWER POWER FACTOR CORRECTION STANDARD AND HOT PLUG



AC INPUT, SINGLE OUTPUT (Multi-outputs also available, contact ETA-USA for more information)

POWER	INPUT	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE							
1.5KW	85-264V	5.00" X 5.00" X 11.25"	ETJ02SX	ETJ3.3SX	ETJ05SX	ETJ12SX	ETJ24SX	ETJ28SX	ETJ48SX	
			2V—300A	3.3V—300A	5V—300A	12V—125A	24V—62A	28V—53A	48V—31A	
2.0KW	170-264V	5.00" X 5.00" X 11.25"	ETL02SX	ETL3.3SX	ETL05SX	ETL12SX	ETL24SX	ETL28SX	ETL48SX	
			2V—400A	3.3V—400A	5V—400A	12V—167A	24V—84A	28V—72A	48V—43A	
2.4KW	180-264V	5.00" X 5.00" X 11.25"	ETM24SX	ETM26SX	ETM28SX	ETM48SX				
			24V—100A	26V—92A	28V—86A	48V—50A				
3.0KW	180-264V	5.00" X 5.00" X 11.25"	ETN24SX	ETN26SX	ETN28SX	ETN48SX				
			24V—125A	26V—115A	28V—107A	48V—63A				
4.0KW	180-264V	5.00" X 5.00" X 15.5"	ETO24SX	ETO26SX	ETO28SX	ETO48SX	ETO200SX			
			24V—166A	26V—154A	28V—142A	48V—83A	200V—20A			
5.0KW	180-264V	5.00" X 5.00" X 15.5"	ETQ24SX	ETQ26SX	ETQ28SX	ETQ48SX				
			24V—200A	26V—190A	28V—175A	48V—100A				

AC INPUT, SINGLE OUTPUT HOT-PLUG

1KW	90-264V	5.00" X 5.00" X 11.25"	ETH24HP	ETH26HP	ETH28HP	ETH48HP
			24V—42A	26V—39A	28V—35A	48V—21A
1.5KW	90-264V	5.00" X 5.00" X 11.25"	ETJ24HP	ETJ26HP	ETJ28HP	ETJ48HP
			24V—62A	26V—58A	28V—53A	48V—31A
2.0KW	170-264V	5.00" X 5.00" X 11.25"	ETL24HP	ETL26HP	ETL28HP	ETL48HP
			24V—84A	26V—76A	28V—72A	48V—43A
3.0KW	180-264V	5.00" X 5.00" X 14.04"	ETN24HP	ETN26HP	ETN28HP	ETN48HP
			24V—125A	26V—115A	28V—107A	48V—63A

cPCI SERIES

FEATURES:

1. Standard PCI Outputs
2. Redundant / Hot-plug
3. Power Factor Corrected
4. 3U High
5. Universal Input 90 – 264 VAC
6. Standard 47 Pin DIN Connector
7. Current Sharing



COMPACT PCI®
UNIVERSAL INPUT AND DC INPUT
POWER FACTOR CORRECTION
HOT PLUG • REDUNDANT
3U AND 6U



AC INPUT MULTI OUPUT (DC Inputs also available)

POWER	INPUT	SERIES NAME	DIMENSION W x L x H	OUTPUT / MODEL NAME / ORDER-CODE
180W	90-264V	Compact PCI-3U	1.59" X 5.07" X 6.67"	PCI-3U
				5V-25A 3.3V-25A +12V-5A -12V-.1A
180W	36-72VDC	Compact PCI-3U	1.59" X 5.07" X 6.67"	DPCI-3U
				5V-25A 3.3V-25A +12V-5A -12V-.1A
250W	90-264V	Compact PCI-3U	1.59" X 5.07" X 6.67"	PCI-3U250
				5V-33A 3.3V-33A +12V-6A -12V-.1.5A
250W	36-72VDC	Compact PCI-3U	1.59" X 5.07" X 6.67"	DPCI-3U250
				5V-33A 3.3V-33A +12V-6A -12V-.1.5A
380W	90-264V	Compact PCI-6U	1.59" X 6.67" X 10.30"	PCI-6U
				5V-40A 3.3V-40A +12V-15A -12V-.2A
380W	90-264V	Compact PCI-6U	1.59" X 6.67" X 10.30"	DPCI-6U
				5V-40A 3.3V-40A +12V-15A -12V-.2A

Please call us at 1-800-ETA-POWR for products not shown here, and to discuss your individual needs.
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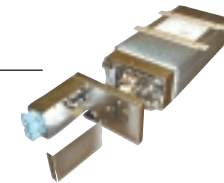
Military Applications



UL Listed Power Supplies

or

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EMC / SAFETY TESTING ENSURES PRODUCT COMPLIANCE

At ETA-USA our laboratory offers the measuring tools needed for independent testing service specializing in power supply measurements. We perform EMC and UL testing to ensure environmental compatibility and product safety. Our laboratory works closely with UL / CSA / VDE / CE testing institutions.