

### DC-DC Non-Brick Triple-Output (Continued)

Unsigned output voltages are isolated and can be used as either + or - polarities

Input Voltage (Vdc)	Output Voltage (Vdc)	Output Trim (Vdc)	Max. Output Current (A)	Max. Output Power (W)	Efficiency (%)	Model Number
09 to 18	5	N/A	0.4	6	60	WR12D12S5
	+12	N/A	0.15			
	-12	N/A	-0.15			
18 to 36	5	N/A	0.4	6	60	WR24D12S5
	+12	N/A	0.15			
	-12	N/A	-0.15			
36 to 72	5	N/A	0.4	6	65	WR48D12S5
	+12	N/A	0.15			
	-12	N/A	-0.15			
18 to 36	+5	N/A	1.5	15	80	SF24T0512-15W
	+12	N/A	0.25			
	-12	N/A	-0.25			
36 to 72	+5	4.5 to 5.5	2	16	80	ER-1152TCN
	+12	10.8 to 13.2	0.25			
	-12	-10.8 to -13.2	-0.25			
18 to 36	+5	4.5 to 5.5	2	16	80	ER-1152TBN
	+12	10.8 to 13.2	0.25			
	-12	-10.8 to -13.2	-0.25			
18 to 72	+5	N/A	2	15	82	SFW48T051205-15W
	+12.4	N/A	0.25			
	-5	N/A	-0.5			
18 to 72	+5	N/A	3	25	82	SFW48T051205-25W
	+12.4	N/A	0.3			
	-5	N/A	-1.3			
18 to 72	+5	N/A	4	30	82	SFW48T051205-30W
	+12.4	N/A	0.5			
	-5	N/A	-1			
4.5 to 9	5	N/A	0.4	6	60	WR6D15S5
	+15	N/A	0.13			
	-15	N/A	-0.13			
09 to 18	5	N/A	0.4	6	60	WR12D15S5
	+15	N/A	0.13			
	-15	N/A	-0.13			
18 to 36	5	N/A	0.4	6	60	WR24D15S5
	+15	N/A	0.13			
	-15	N/A	-0.13			
36 to 72	5	N/A	0.4	6	65	WR48D15S5
	+15	N/A	0.13			
	-15	N/A	-0.13			
18 to 36	5	N/A	1.2	12	78	WR24D15S5N
	+15	N/A	0.2			
	-15	N/A	-0.2			
36 to 72	5	N/A	1.2	12	78	WR48D15S5N
	+15	N/A	0.2			
	-15	N/A	-0.2			
18 to 36	+5	N/A	1.5	15	82	SF24T0515-15W
	+15	N/A	0.25			
	-15	N/A	-0.25			
18 to 36	+5	N/A	3.4	35	80	SMP-1353TB
	+15	N/A	0.6			
	-15	N/A	-0.6			



**ER 15W**

3.15 × 2.17 × 0.43 inch  
80 × 55 × 11 mm



**SMP 25 to 35W**

4.0 × 3.0 × 0.6 inch  
101.6 × 76.2 × 15.2 mm



FLN



HR-3051

2.0 × 2.0 × 0.5 inch  
50.8 × 50.8 × 12.7 mm

HR-3101

2.4 × 2.0 × 0.44 inch  
61 × 50.8 × 11.3 mm

HR-3151

3.0 × 3.0 × 0.55 inch  
76.2 × 76.2 × 14.0 mm

HR 30 to 75VA

4.0 × 4.0 × 0.54 inch  
101.6 × 101.6 × 13.4 mm



TPA, TPB & TPC

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## DC-DC Non-Brick Triple-Output (Continued)

Unsigned output voltages are isolated and can be used as either + or - polarities

Input Voltage (Vdc)	Output Voltage (Vdc)	Output Trim (Vdc)	Max. Output Current (A)	Max. Output Power (W)	Efficiency (%)	Model Number
18 to 36	+5	N/A	3.5	25	82	SF24T0515-25W
	+15	N/A	0.25			
	-15	N/A	-0.25			
18 to 36	+5.1	N/A	4	25	82	SMP-1252TB
	+12	N/A	0.25			
	-12	N/A	-0.25			
18 to 36	+5.1	N/A	4	28	82	SMP-1253TB
	+15	N/A	0.25			
	-15	N/A	-0.25			
09 to 18	12	N/A	0.1	6	65	WR12D5S12
	+5	N/A	0.9			
	-5	N/A	-0.1			
18 to 36	12	N/A	0.2	8.4	78	WR24D5S12N
	+5	N/A	0.6			
	-5	N/A	-0.6			

## DC-DC Input Filters

Max. Input Current (A)	Input Voltage (Vdc)	Common-mode Insertion Loss	Differential-mode Insertion Loss	Resistance per leg (mohms)	Size L×W×H (inch)	Mounting	Model Number
2	0 to 100	35dB	50dB	65	1 × 1 × 0.4	Through-hole	FLN100V2A
5	0 to 100	35dB	30dB	25	1 × 1 × 0.43	Through-hole	FLN100V5A
5	0 to 200	35dB	30dB	25	1 × 1 × 0.43	Through-hole	FLN200V5A
10	0 to 100	40dB	36dB	22	2 × 1 × 0.44	Through-hole	FLN100V10A
20	0 to 100	32dB	36dB	10	2 × 1.6 × 0.5	Through-hole	FLN100V20A

## DC-AC Ring Generators

Output Voltage (Vac)	Output Frequency (Hz)	Output Current (A)	Max. Output Power (VA)	Input Voltage (Vdc)	Efficiency (%)	Model Number
Nominal 24Vdc or 48Vdc Input						
60	25	0.5	30	36 to 72	80	HR-3304SC
75	25	0.053	4	40 to 60	65	HR-3051SC
75	25	0.13	10	18 to 36	70	HR-3101SB
75	25	0.13	10	36 to 72	70	HR-3101SC
75	25	0.2	15	18 to 36	75	HR-3151SB
75	25	0.2	15	36 to 72	75	HR-3151SC
75	25	0.4	30	20 to 30	80	HR-3301SB
75	25	0.4	30	40 to 60	80	HR-3301SC
75	25	1	75	36 to 72	85	HR-3751SC
85	25	0.35	30	40 to 60	80	HR-3302SC
95	25	0.42	40	40 to 60	82	HR-3403SC

Notes: 1. The standard products feature Positive Logic Remote on/off.

2. The standard products feature sine wave output except that HR-3101SC and HR-3101SB output rectangle wave.



## AC-DC Power Supplies

Max. Output Power (W)	Output Voltage (Vdc)	Output Current (A)	Input Voltage (Vac)	Efficiency (%)	Size L×W×H (inch)	Model Number
3	5	0.6	85 to 265	72	1.91 × 1.42 × 0.81	TPA-03KS05
3	12	0.25	85 to 265	74	1.91 × 1.42 × 0.81	TPA-03KS12
3	-5	+0.3	85 to 265	70	1.91 × 1.42 × 0.81	TPA-03KD05
	-5	-0.3				
3	+12	+0.125	85 to 265	72	1.91 × 1.42 × 0.81	TPA-03KD12
	-12	-0.125				
5	3.3	1.5	85 to 265	72	2.17 × 1.77 × 0.81	TPB-05KS3V3
5	5	1	85 to 265	75	2.17 × 1.77 × 0.81	TPB-05KS05
5	12	0.42	85 to 265	76	2.17 × 1.77 × 0.81	TPB-05KS12
5	+5	+0.5	85 to 265	72	2.17 × 1.77 × 0.81	TPB-05KD05
	-5	-0.5				
5	+12	+0.21	85 to 265	73	2.17 × 1.77 × 0.81	TPB-05KD12
	-12	-0.21				
15	3.3	4	85 to 265	70	2.44 × 1.77 × 0.89	TPC-15KS3V3
15	5	3	85 to 265	72	2.44 × 1.77 × 0.89	TPC-15KS05
15	12	1.25	85 to 265	76	2.44 × 1.77 × 0.89	TPC-15KS12
15	+5	+1.5	85 to 265	72	2.44 × 1.77 × 0.89	TPC-15KD05
	-5	-1.5				
15	+12	+0.63	85 to 265	74	2.44 × 1.77 × 0.89	TPC-15KD12
	-12	-0.63				
15	+5	+2	85 to 265	78	2.44 × 1.77 × 0.89	TPC-15KT0512
	+12	+0.2				
	-12	-0.2				



PTC20



PTC30



PTA40



PTA65



PTB50



PCA60

## AC-DC Power Supplies

Output Power (W)	Output Voltage (Vdc)	Output Current (A)	Input Voltage (Vac)	Efficiency (%)	Size L×W×H (inch)	Model Number
20	3.4	6	90 to 265	65	4.29 × 2.05 × 1.18	PTC20-220S3V4
30	3.4	9	90 to 265	65	5.06 × 3.0 × 1.26	PTC30-220S3V4
40	5	8	85 to 265	73	4.25 × 2.5 × 1.15	PTA40-220S05/W
40	12	3.3	85 to 265	75	4.25 × 2.5 × 1.15	PTA40-220S12/W
40	48	0.83	85 to 265	75	4.25 × 2.5 × 1.15	PTA40-220S48/W
48	24	2	85 to 265	84	5.24 × 2.17 × 1.02	PTB50-220S24/W
50	5	10	85 to 265	75	5.0 × 3.0 × 1.26	PTA65-220S05
65	12	5.42	85 to 265	78	5.0 × 3.0 × 1.26	PTA65-220S12
65	24	2.7	85 to 265	82	5.0 × 3.0 × 1.26	PTA65-220S24
60	+12	+4	85 to 265	80	6.53 × 2.6 × 1.54	PCA60-220D12-12
	-12	-1				

### About RoHS

BDT's standard products are available in RoHS compliant versions. RoHS compliant products are identified by a "G" suffix at the end of their model numbers.

### About Custom Power Products

If you can't find what you need among the standard products in this select guide catalog, BDT can offer a range of solutions, from modified standard products to full custom designs. Our customized power conversion solutions are based on the fully-proven platforms developed for its standard DC-DC and AC-DC product lines, for more information, please email us, or visit [www.bdt.com.cn](http://www.bdt.com.cn).