TAME-POWER

CONVY-DCDC-800V-11-RA-00 (SINGLE CONVERTER)

Maximum output power according to Vlow side and Vhigh side

Map power capability according to low side and high side voltage

- Tame-Power DC/DC converters embed a powerful software that permanently calculates the maximum power the device can transfer.
- The calculation is done in real-time, according to the values of low side voltage and high side voltage.
- The Power Maps aim to bring you a clear overview of how the features change according to the operating point.
- This allows you to optimize the overall performance of your whole system by selecting the best voltage ranges to operate.

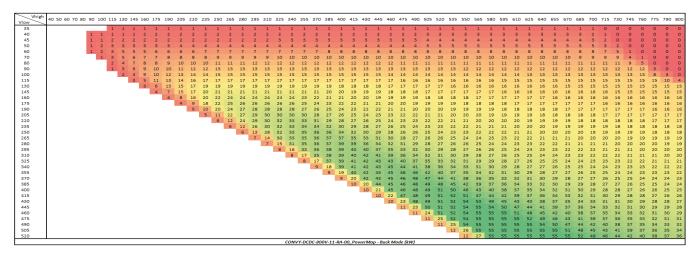
Boost mode (in kW)

	igh side				DCDC converter operates at Vlow side = 110V, Vhigh side = 180													
Vlow	side	100	120	140	160	180	200	220										
	* -				100	100	1											
	85	2	4	6	7	7	8	9										
	90	2	4	6	8	8	8	10										
	95	1	3	6	8	8	9	11										
	100		2	5	8	8	10	12										
	110			4	8	10	12	12										
	120				8	10	12	14										
	130				8	10	12	14										
	140				6	8	12	14										
	150				6	8	12	16										
	160					4	10	14										

Max output power (kW) when the

Vhigh	40 50 60 70 80 90 1	100 115 13	0 145	160 1	75 19	0 205	220	235	250 26	5 28	295	310	325	340	355	370 :	385 4	400 4	15 4	30 44	5 460	0 475	490	505	520	535	550	565	580	95 6	10 6	25 64	10 6	55 6	70 68	5 70	0 71	5 730	0 745	760	775	790 800
35		1	1	1	1 1	1	1	1	1 1	1	1	1	1	1	1	1	1	0	0	0 0	0	0	0	1	1	1	1	1	1	1	1	1 1		1 (D 0	0	0	0	0	0	0	0 0
40	1	1 1 1	1	1	1 1	1	1	2	2 2	2	2	1	1	1	1	1	1	1	1	1 1	1	1	1	2	2	2	2	2	2	2	2	2 2		2	2 1	1	. 0	0	0	0	0	0 0
45	1	1 2 2	2	2	2 2	2	2	2	2 2	2	2	2	2	2	2	2	2	2	2	2 2	2	2	2	з	з	з	3	2	2	2	2	2 2		2	2 2	2	1	0	0	0	0	0 0
50	1	2 3 3	з	3	3 3	3	3	3	3 3	3	3	3	3	3	3	3	3	3	3	3 3	3	3	3	4	4	4	4	4	4	4 .	÷ .	4 4	÷ ۱	4 :	3 3	3	2	1	0	0	0	0 0
60	1	2 3 5	5	5	6 6	6	6	6	6 6	6	6	6	6	6	6	6	6	6	6	56	6	6	6	6	6	6	6	6	6	6	5	6 6	5 (6 (56	6	5	4	0	0	0	0 0
70		1 3 5	6	7	77	8	8	8	8 8	9	9	9	9	9	9	9	9	9	9	9 9	9	9	9	9	9	9	9	9	9	9 !	Э :	9 9	9 9	9 9	9 9	9	9	7	3	1	0	0 0
80		2 5	7	8	9 9	9	10	10	10 11	11	11	11	11	11	11	11	11	11 1	11 1	1 11	11	. 11	11	11	11	11	11	11	11	11 1	1 1	11 1	1 1	11 1	.1 10	0 10	0 10	10	7	4	0	0 0
90		1 4	6	9 :	10 1:	1 11	12	12	13 13	13	13	13	13	13	13	13		13 1	13 1	3 12	12	12	12	12	12	12	12	12	12	12 1	2 1	12 1		12 1	.2 1	1 11	1 11	. 11	11	9	2	0 0
100		3	5	9	11 13	2 13	14	14	14 14	14	14	14	14	14	14	14			14 1	4 14	14		14	14	14	14	14	14	14	14 1		13 1		13 1	2 1	2 12		12	11	11	6	2 0
115			3		12 13		16	16	16 16	16	16	16	16	16	16	16			16 1	6 16	16		16	16	16	16	16	16	15	15 1		15 1		14 1	4 1	4 13		13	13	12	12	9 3
130 145				4	7 14		18	19	19 19	19	19	19	19	18	18					8 18 9 18			17		17	16	16	16 17	16	16 1		16 1		15 1	5 1	5 19 5 19		14	14	13		13 13 14 14
145					4 8				21 21 23 25	21	21	21	21	21	21	21			19 1 20 2	9 18 0 19	18 19		18 18	17 18	18	1/	1/	17	17	10 1		16 1 17 1		16 1 16 1	6 1				15	16		14 14 15 15
175						6			24 25		25	25	25	25	25	22			20 2				19	19	10	19	18	18	18	10 1		17 1		17 1	7 1				16	16		15 15 16
190						0			23 26			28		28	27				13 2		21		20	20		19		19	18	18 1	8 1	18 1		17 1	7 1	7 17	7 17	17	17	16		16 16
205									13 25			30			30				25 2	4 23	23		21					20		19 1	9 1	18 1		18 1	8 1	8 13	7 17	17	17	17		17 17
220									7 14							31	29	28 2	27 2	6 25	24		23	22								19 1		19 1	8 1	8 18	3 18	18	18	17		17 17
235									8			31	32	34	34	34	32	30 2	29 2	8 27	26	25	24	23	23	22	22	21	21	21 2	0 2	20 2	0 1	19 1	9 1	9 19	9 18	18	18	18	18	18 18
250										9	16	31	32	34	35	37	36	34 3	32 3	0 29	28	26	26	25	24	23	23	22	22	21 2	1 2	21 2	0 2	20 2	0 2	0 19	9 19	19	19	18	18	18 18
265											9	17	32	34	35	37	38	37 3	35 3	3 31	30	28	27	26	26	25	24	24	23	23 2	2 2	22 2	1 2	21 2	1 20	20	20	19	19	19	19	19 18
280												10				37	38	40 3	39 3	6 34	32	31	29	28	27	26	26	25	24	24 2	з 2	23 2	2 2	22 2	1 2	1 21	1 20	20	20	20	19	19 19
295														19				40 4	41 4	0 37	35	33	32	30	29	28	27	26	26	25 2		24 2	3 2	23 2	2 2			21	21	20		20 20
310														11					11 4	3 41	39	36	34	33	31	30	29			26 2	5 2	25 2		24 2	3 2							20 20
325															12				11 4	3 44	43	40	37	35	33	32	31			28 2		26 2			4 2							21 21
340																12			11 4	3 44	46	44	41	39	36	34	33	32		29 2		27 2			5 2							22 22
355																	13				46	47	46	42	40	37	35	34	32	31 3		29 2		27 2	7 2							23 22
370																			25 4		46	47	49	47	44	41	38	37	35	33 3		31 3		29 2	8 2							24 23
385 400																		1	14 2	6 44 5 28			49 49	50 50	48	45	42	40	37	36 3 38 3		33 3			0 2							24 24 25 25
400																			-		29		49	50	52	50	51	43	41	38 3		35 3 37 3		32 3	1 3							25 25 26 26
415																				10		30			52	53	55	47	44	42 3 45 4	9 3	10 2	0 3	04 3 97 9	5 5	4 35						20 20 28 27
445																					10		31			53	55	55	54	50 4			1 2	20 2	0 3		5 32		21			29 28
460																						10		32				55	55	55 6	1 4	18 4	5 4	12 4	0 3	8 31	7 35	34	33	32		30 30
475																									33				55	55 6	5 0	53 4	9 4	16 4	3 4	1 30	9 38	36	35	84		32 31
490																									18					55 5	5 5	55 5	4 5	50 4	7 4	4 42	2 40	38	37	35		33 32
505																										19				55 5		55 5	5 5	55 5	1 4	3 45	5 43	41	39			35 34
520																												37		55 5			5 5		5 5	2 49	9 46	44				37 36
	•												C	ONVY	DCDC	-800V	-11-R	A-00_F	ower	Map - B	oost I	Mode (i	kW)									-										
																		-																								

Buck mode (in kW)



Each product reference has its own Power Map. For any detailed information please contact our sales team: contact@tame-power.com

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