

JETND (JETD) - DC/DC Converters (typical case BRICK)

Nominal output power, W	Module	Standard size of case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/In ³	Number of outputs	Input voltage 12 (10.5...18) VDC	Input voltage 12W (10.5...36) VDC	Input voltage 24 (18...36) VDC	Input voltage 24W (18...72) VDC	Input voltage 48 (36...75) VDC	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kV	Remote Onn/Off	Trimmer	External feedback	Parallel operating	Standard EMC EN55022	
																				Class B	Class B
30	JETND30	1/16 BRICK	33x23x10	6	3...60	92	63	1	•	•	•	•	•	=1.5	•	•	•	•	•	with filter JETDF2.5	•
25	JETD25 ²			5			51														
60	JETND60	1/8 BRICK	59x23x10	12	3...60	92	74	1	•	•	•	•	•	=1.5	•	•	•	•	•	with filter JETDF5	•
50	JETD50 ²			10			61														
120	JETND120	1/4 BRICK	59x37x12	20	3...60	92	79	1	•	•	•	•	•	=1.5	•	•	•	•	•	with filter JETDF10	•
100	JETD100 ²			20			66														
250	JETND250	1/2 BRICK	61x59x12	40	3...60	92	98	1	•	•	•	•	•	=1.5	•	•	•	•	•	with filter JETDF20	•
200	JETD200 ²			40			77														
600	JETND600	FULL BRICK	117x61x13	40	12...60	92	106	1	•	•	•	•	•	=1.5	•	•	•	•	•	with filter	•
400	JETD400 ²			34			70														

Notes: • - Available; 1 – for special request -60...+130°C; 2 – for current projects (not recommended for application in new projects).

JETBND - DC/DC Converters (typical case BRICK)

low-cost version

Nominal output power, W	Module	Standard size of case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/In ³	Number of outputs	Input voltage 24 (18...36) VDC	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kV	Remote Onn/Off	Trimmer	External feedback	Parallel operating	Standard EMC EN55022	
																Class B	Class A
25	JETBND25	1/16 BRICK	33x23x10	5	3...60	92	51	1	•	•	=1.5	•	•			with filter JETDF2.5	•
50	JETBND50	1/8 BRICK	59x23x10	10	3...60	92	61	1	•	•	=1.5	•	•			with filter JETDF5	•
100	JETBND100	1/4 BRICK	59x37x12	20	3...60	92	66	1	•	•	=1.5	•	•			with filter JETDF10	•
200	JETBND200	1/2 BRICK	61x59x12	40	3...60	92	77	1	•	•	=1.5	•	•			with filter JETDF20	•
400	JETBND400	FULL BRICK	117x61x13	34	12...60	92	70	1	•	•	=1.5	•	•			with filter	•

Notes: • - Available; 1 – for special request -60...+130°C.

JETA (TESA) – high power density AC/DC Power Supplies

Nominal output power, W	Module	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Power Factor Correction (PFC)	Number of outputs	Input voltage-115 (80...140) VAC	Input voltage ~230 (176...242) VAC	Input voltage ~230W (100...242) VAC	Operating temperature range of case -40...+85°C ¹	Isolation input/output, kV	Remote Onn/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operating	DIN-rail (option)	Additional options (see datasheet)	Standard EMC EN55022		
																					Class B	Class A	
60	JETA60	101x51x18.3	12	5...60	85	10	0,68	1,2,3	•	•	•	•	~3.0		•						•		
50	TESA50 ²		10			8.8																	
120	JETA120	111x61x21	24	5...60	85	13	0,67	1,2,3	•	•	•	•	~3.0		•						•		
100	TESA100 ²		20			11																	
300	JETA300	134x84x27.5	30	9...60	85	16	•	1,2,3		•	•	•	~3.0	•	•	•					•	with filter JETAF5	•
250	TESA250 ²		25			13																	
700	JETA700	175x93x28.6	50	12...60	88	25	•	1		•	•	•	~3.0	•	•	•	•	•		•	with filter JETAF10	•	
600	TESA600 ²		40			21																	
1200	JETA1200	211x117x38.1	80	15...60	88	21	•	1		•	•	•	~3.0	•	•	•	•		•	with filter JETAF10	•		
1000	TESA1000 ²		60			16																	
2000	JETA2000	250x140x39	100	15...60	88	25	•	1		•	•	•	~3.0	•	•	•	•		•	with filter JETAF20	•		
1500	TESA1500 ²		80			18																	

Notes: • - Available; 1 – for special request -50...+85°C; 2 – for current projects (not recommended for application in new projects).

JETNA – high power density AC/DC Power Supplies (3 phases)

Nominal output power, W	Module	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Power Factor Correction (PFC)	Number of outputs	Input voltage-380/400 (323...440) VAC, 3 phases	Operating temperature range of case -40...+85°C ¹	Isolation input/output, kV	Remote Onn/Off	Trimmer	External feedback	Parallel operating	Additional output fo fan	External trimmer	Additional output AUX	Power Good	Standard EMC EN55022		
																				Class B	Class A	
1000	JETNA1000	175x93x28.6	60	12...60	91	34	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•
2000	JETNA2000	211x117x38.1	100	15...60	91	34	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•
3000	JETNA3000	250x140x38.1	125	24...60	92	36	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•
5000	JETNA5000	300x170x39.1	200	24...60	92	38	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter	•

Notes: • - Available; 1 – for special request -50...+85°C or -60...+85°C (!)

JETBA – high power density AC/DC Power Supplies

low-cost version

Nominal output power, W	Module	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Power Factor Correction (PFC)	Number of outputs	Input voltage ~230 (176...242) VAC	Operating temperature range of case -40...+85°C	Isolation input/output, kV	Remote Onn/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operating	DIN-rail (option)	Standard EMC
																		EN55022
																		Class A
50	JETBA50	101x51x20	10	5...60	85	8.8	0,68	1,2,3	•	•	~3.0		•				•	•
100	JETBA100	111x61x21	20	5...60	85	11	0,67	1,2,3	•	•	~3.0		•				•	•
250	JETBA250	134x84x27.5	25	9...60	85	11	0,67	1,2,3	•	•	~3.0	•	•	•			•	•
500	JETBA500	175x93x28.6	40	12...60	88	21	0,67	1	•	•	~3.0	•	•	•				•
1000	JETBA1000	211x117x38.1	60	15...60	88	16	0,67	1	•	•	~3.0	•	•	•	•			•
1500	JETBA1500	250x140x39	80	15...60	88	18	0,67	1	•	•	~3.0	•	•	•	•			•

JETBNA – high power density AC/DC Power Supplies (3 phases)

low-cost version

Nominal output power, W	Module	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Power Factor Correction (PFC)	Number of outputs	Input voltage-380/400 (304...456) VAC, 3 phases	Operating temperature range of case -40...+85°C	Isolation input/output, kV	Remote Onn/Off	Trimmer	External feedback	Parallel operating	Additional output fo fan	External trimmer	Additional output AUX	Power Good	Standard EMC EN55022		
																				Class B	Class A	
800	JETBNA800	175x93x28.6	50	12...60	91	28	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•
1500	JETBNA1500	211x117x38.1	80	15...60	91	26	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•
2000	JETBNA2000	250x140x38.1	100	24...60	92	25	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•
3000	JETBNA3000	300x170x39.1	125	24...60	92	23	0,92	1	•	•	~3.0	•	•	•	•	•	•	•	•	•	with filter JETAF15	•

TESND (TESD) - DC/DC Converters with wide input voltage range

Nominal output power, W	Module	Dimensions without flanges, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/in ³	Number of outputs	Input voltage 12W (10.5...40) VDC	Input voltage 27W (17...80) VDC	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kV	Remote Onn/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operating	Standard EMC EN55022	
																	Class B	Class A
20	TESND20	30x20x10	4	3...60	85	54	1,2,3	•	•	•	=1.5	•	•	•	•	•	with filter JETDF2.5	•
15	TESD15 ²		3			39												
10	TESD10 ²		2			28												
30	TESND30	40x30x10	6	3...60	85	41	1,2,3	•	•	•	=1.5	•	•	•	•	•	with filter JETDF5	•
25	TESD25 ²		5			34												
15	TESD15 ²		3			21												
50	TESND50	48x38x10	10	3...60	86	51	1,2,3	•	•	•	=1.5	•	•	•	•	•	with filter JETDF10	•
30	TESD30 ²		6			31												
80	TESND80	58x40x10	16	3...60	86	56	1,2,3	•	•	•	=1.5	•	•	•	•	•	with filter JETDF10	•
60	TESD60 ²		12			43												
200	TESDN200	73x53x13	17	3...60	88	67	1	•	•	•	=1.5	•	•	•	•	•	with filter JETDF20	•
100	TESD100 ²		16			34												
300	TESND300	95x68x13	25	5...60	88	59	1	•	•	•	=1.5	•	•	•	•	•	with filter JETDF20	•
200	TESD200 ²		20			39												
600	TESND600	110x84x15	50	12...60	88	70	1	•	•	•	=1.5	•	•	•	•	•	with filter	•
500	TESD500 ²		40			59												
400	TESD400 ²		40			48												
1200	TESND1200	168x110x16	50	24...60	90	67	1	•	•	•	=1.5	•	•	•	•	•	with filter	•
1000	TESD1000 ²		40			56												
800	TESD800 ²		40			44												

Notes: • - Available; 1 – for special request -60...+130°C; 2 – for current projects (not recommended for application in new projects).

**TESBND - DC/DC Converters with wide input voltage range
low-cost version**

Nominal output power, W	Module	Dimensions without flanges, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %`	Power density, W/ln ³	Number of outputs	Input voltage 27 (17...36 (80)) VDC	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kV	Remote Onn/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operating	Standard EMC EN55022	
																Class B	Class A
15	TESBND15	30x20x10	3	3...60	85	39	1,2,3	•	•	=1.5	•	•	•	•		with filter JETDF2.5	•
25	TESBND25	40x30x10	5	3...60	85	34	1,2,3	•	•	=1.5	•	•	•	•		with filter JETDF5	•
40	TESBND40	48x38x10	8	3...60	86	41	1,2,3	•	•	=1.5	•	•	•	•		with filter JETDF10	•
60	TESBND60	58x40x10	12	3...60	86	43	1,2,3	•	•	=1.5	•	•	•	•		with filter JETDF10	•
100	TESBND100	73x53x13	16	3...60	88	34	1	•	•	=1.5	•		•	•		with filter JETDF20	•
200	TESBND200	95x68x13	20	5...60	88	39	1	•	•	=1.5	•		•			with filter JETDF20	•
400	TESBND400	110x84x15	40	12...60	88	48	1	•	•	=1.5	•		•	•	•	with filter	•
800	TESND800	168x110x16	40	24...60	90	44	1	•	•	=1.5	•		•	•	•	with filter	•

Notes: • - Available; 1 – for special request -60...+130°C.

TESAV (TESH) - AC/DC power supplies with alternative inputs of double purpose (AC or DC or AC&DC)

Nominal output power, W	Module	Dimensions without flanges, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Number of outputs	Input voltage 36 (~25...53 VAC, =36...75 VDC)	Input voltage 115 (~80...140 VAC, =82...198 VDC)	Input voltage 230 (~176...242 VAC, =175...350 VDC)	Input voltage 150W (=110...375 VDC)	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kV	Remote Onn/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operating	Standard EMC EN55022	
																			Class B	Class A
50	TESAV50	73x53x13	10	5...60	86	16	1,2	•	•	•	•	•	~3	•	•	•			with filter	•
	TESH50 ²																			
100	TESAV100	95x68x13	17	12...60	89	20	1	•	•	•	•	•	~3	•		•			with filter	•
	TESH100 ²																			
200	TESAV200	95x68x13	17	12...60	89	39	1	•	•	•	•	•	~3	•		•	•	•	with filter	•
	TESH200 ²																			
500	TESAV500	110x84x15	34	12...60	91	59	1	•	•	•	•	•	~3	•		•	•	•	with filter	•
	TESH500 ²																			
1000	TESAV1000	168x110x16	42	24...60	92	56	1	•	•	•	•	•	~3	•		•	•	•	with filter	•
	TESH1000 ²																			

Notes: • - Available; 1 – for special request -60...+130°C; 2 – for current projects (not recommended for application in new projects).

TESZ – DC/DC Converters for railway applications
(standard RIA12)

Nominal output power, W	Module	Dimensions without flanges, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/In ³	Number of outputs	Input voltage 72Z (=43...108 VDC)	Input voltage 96Z (=57...144 VDC)	Input voltage 110Z (=66...165 VDC)	Operating temperature range of case -40...+110°C	Isolation input/output, kV	Remote Onn/Off	Trimmer	External feedback	Parallel operating	Standard EMC EN55022	
																	Class B	Class A
100	TESZ100	95x68x13	9	12...60	85	20	1	•	•	•	•	~1.5	•	•			with filter	•
200	TESZ200	110x84x15	17	12...60	85	23	1	•	•	•	•	~1.5	•	•	•	•	with filter	•
500	TESZ500	168x110x16	34	12...60	85	28	1	•	•	•	•	~1.5	•	•	•	•	with filter	•

JETAF (TEFA) – AC filters

Nominal current, A	Type	Dimensions without flanges, mm	Input voltage~115 (80...140 VAC)	Input voltage~230 (176...242 VAC)	Input voltage~230W (100...242 VAC)	Input voltage ~380 (304...456 VAS), 3 phases	Operating temperature range of case -60...+125°C	Operating temperature range of case -50...+85°C	Isolation input/case, output/case, kV	Insertion loss
1	JETAF1	58x40x10	•	•	•		•		~1.5	20...55 dB (see datasheet)
	TEFA1 ¹									
5	JETAF5	101x51x20	•	•	•			•	~1.5	20...55 dB (see datasheet)
	TEFA5 ¹									
10	JETAF10	111x61x24	•	•	•			•	~1.5	20...55 dB (see datasheet)
	TEFA10 ¹									
20	JETAF20	134x84x28	•	•	•			•	~1.5	20...55 dB (see datasheet)
	TEFA20 ¹									
15	JETAF15-380	134x84x28				•		•	~1.5	20...55 dB (see datasheet)
	TEFA15-380 ¹									

Notes: • - Available; 1 – for current projects (not recommended for application in new projects).

JETDF (TEFD) – DC filters

Nominal current, A	Type	Dimensions without flanges, mm	Input voltage 12W (10.5...36 VDC)	Input voltage 24W (18...72 VDC)	Operating temperature range of case -60...+125°C	Isolation input/case, output/case, kV	Insertion loss
2,5	JETDF2.5	30x20x10	•	•	•	~0.5	15...55 dB (see datasheet)
	TEFD2.5 ¹						
5	JETDF5	40x30x10	•	•	•	~0.5	15...55 dB (see datasheet)
	TEFD5 ¹						
10	JETDF10	48x33x10	•	•	•	~0.5	15...55 dB (see datasheet)
	TEFD10 ¹						
20	JETDF20	58x40x10	•	•	•	~0.5	15...55 dB (see datasheet)
	TEFD20 ¹						

Notes: • - Available; 1 – for current projects (not recommended for application in new projects).