

NEW !

JETDi – DC/DC converters in metal cases without mounting holes DIP24, 1"x 1", 2"x 1", quarter BRICK

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Number of outputs	Input 12 (10.2-15 VDC), 1s deviation of 18 VDC	Input 12W (10.2-30 VDC), 1s deviation 36 VDC	Input 24 (20-30 VDC), 1s deviation 36 VDC	Input 24W (20-60 VDC), 1s deviation 80 VDC	Input 27 (20-40 VDC), 1s deviation 80 VDC	Input 27W (15-50 VDC), 1s deviation 80 VDC	Input 48 (36-75 VDC), 1s deviation 80 VDC	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Output voltage adjustment	EMC standard EN55022	
																				Class B	Class A
10, 15, 20	JETDi20	DIP 24	32x21x10	4	3...60	90	49	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
15, 20, 30	JETDi30	1"x 1"	26x26x10	6	3...60	90	73	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
40, 50, 60	JETDi60	2"x 1"	51x26x10	12	3...60	90	74	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF5	•
80, 100, 120	JETDi120	quarter BRICK	58x37x11	20	3...60	90	83	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF10	•

Notes: • - available, 1 – for special request -60 °C...+130 °C, the blue marked input voltages - the units are in our stock.

NEW ! JETDiR – DC/DC converters in reinforced metal cases with mounting holes, available LP version (low profile)

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Number of outputs	Input 12 (10.2-15 VDC), 1s deviation of 18 VDC	Input 12W (10.2-30 VDC), 1s deviation 36 VDC	Input 24 (20-30 VDC), 1s deviation 36 VDC	Input 24W (20-60 VDC), 1s deviation 80 VDC	Input 27 (20-40 VDC), 1s deviation 80 VDC	Input 27W (15-50 VDC), 1s deviation 80 VDC	Input 48 (36-75 VDC), 1s deviation 80 VDC	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Output voltage adjustment	EMC standard EN55022	
																				Class B	Class A
15, 20	JETDiR20	DIP 24	32x21x10/ 32x21x8.5	4	3...60	90	49	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
20, 30	JETDiR30	1"x 1"	26x26x10/ 26x26x9	6	3...60	90	73	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
50, 60	JETDi60R	2"x 1"	51x26x10/ 51x26x8	12	3...60	90	74	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF5	•
100, 120	JETDiR120R	quarter BRICK	58x37x13/ 58x37x9	20	3...60	90	83	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF10	•
200, 250	JETDiR250	half BRICK	61x59x13	40	5...60	92	88	1	*	*	•	*	•	*	•	•	=1.5	•	•	With filter JETDF20	•
400, 600	JETDiR600	full BRICK	117x61x13	50	12...60	92	106	1	*	*	•	*	•	*	•	•	=1.5	•	•	С внешним фильтром	•

Notes: • - available, * - for request, 1 – for special request -60 °C...+130 °C, the blue marked input voltages - the units are in our stock.

JETDiR series replaces the previous generations of our units: JETND30...JETND120, JETD25...JETD100, JETND250...JETND600, JETD250...JETD400

NEW !

TESND - DC/DC converters in reinforced metal cases with mounting holes, available LP version (low profile)

Output power, W	Unit type	Case type	Dimensions, mm Standard / low profile version	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Number of outputs	Input 12 (10.2-15 VDC), 1s deviation of 18 VDC	Input 12W (10.2-30 VDC), 1s deviation 36 VDC	Input 24 (20-30 VDC), 1s deviation 36 VDC	Input 24W (20-60 VDC), 1s deviation 80 VDC	Input 27 (20-40 VDC), 1s deviation 80 VDC	Input 27W (15-50 VDC), 1s deviation 80 VDC	Input 48 (36-75 VDC), 1s deviation 80 VDC	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Output voltage adjustment	EMC standard EN55022		
																				Class B	Class A	
10, 15, 20	TESND20	F1	30x20x10/ 30x20x8,5	4	3...60	88	54	1,2	•	•	•	•	•	•	•	•	•	•	•	•	With filter JETDF2.5	•
30, 40	TESND40	F2	40x30x11/ 40x30x9	8	3...60	88	49	1,2	•	•	•	•	•	•	•	•	•	•	•	•	With filter JETDF5	•
50, 60	TESND60	F3	48x33x11/ 48x33x8	12	3...60	90	56	1,2	•	•	•	•	•	•	•	•	•	•	•	•	With filter JETDF10	•
80, 100, 120	TESND120	F4	58x40x11/ 58x40x9	20	3...60	90	77	1	•	•	•	•	•	•	•	•	•	•	•	•	With filter JETDF20	•
200, 250	TESND250	F5	73x53x13	40	5...60	92	82	1	*	*	•	*	•	*	•	•	•	•	•	•	With filter JETDF20	•
500, 600	TESND600	F6	95x68x13	50	12...60	92	117	1	*	*	•	*	•	*	•	•	•	•	•	•	С внешним фильтром	•
1000, 1200	TESND1200	F7	110x84x15	80	15...60	92	142	1	*	*	•	*	•	*	•	•	•	•	•	•	С внешним фильтром	•

Notes: • - available, * - for request, 1 – for special request -60 °C...+130 °C, the blue marked input voltages - the units are in our stock.

JETDiR series replaces the previous generations of our units: TESND20...TESND80, TESD10...TESD60, TESND200...TESND600.

NEW !

JETAs – single phase simple frame AC/DC power supplies (without PFC)

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Number of outputs	Input voltage 115 (81...138) VAC	Input voltage 230 (182...242) VAC	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Galvanic isolation between outputs	Output voltage adjustment	External feedback	Parallel operation	DIN-rail mounting (option)	Additional options (please see datasheet)	EMC standard EN55022	
																				Class B	Class A
80, 100	JETAs100	4.5"x 2.5"	111x61x20	20	5...60	89	11	1,2	•	•	•	~3.0	-	•	-	-	-	•	-	With filter JETAF5	•
150, 200	JETAs200	5.5"x 3.5"	134x84x28	30	5...60	89	11	1,2	•	•	•	~3.0	-	•	-	-	-	•	-	With filter JETAF5	•
300, 400	JETAs400	7"x 4"	175x94x31	33	12...60	90	14	1,2	•	•	•	~3.0	•	•	•	-	-	•	-	With filter JETAF10	•
600, 800	JETAs800	8"x 5"	211x117x36	50	12...60	90	14	1,2	•	•	•	~3.0	•	•	•	•	•	•	•	With filter JETAF20	•

Notes: • - available, 1 – for special request -50 °C...+85 °C, the blue marked input voltages - the units are in our stock.

NEW !

JETA-LP – AC/DC power supplies with PFC (from 250 W) in low-profile metal cases (LP) with high power density

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Power Factor Correction (PFC)	Number of outputs	Input voltage 115 (81...138) VAC	Input voltage 230 (182...242) VAC	Input voltage ~230W (100...242 VAC)	Operating case temperature range -40...+85 °C (1)	Isolation in-out, kV	Remote on/off	Galvanic isolation between outputs	Output voltage adjustment	External feedback	Parallel operation	DIN-rail mounting (option)	Additional options (please see datasheet)	EMC standard EN55022	
																						Class B	Class A
80, 100	JETA100-LP	4"x 2"	101x51x18	16	5...60	90	17	0.68	1,2	•	•	•	•	~3.0	-	•	-	-	-	•	-	•	
100, 150	JETA150-LP	4.5"x 2.5"	111x61x19	24	5...60	90	17	0.67	1,2	•	•	•	•	~3.0	-	•	-	-	-	•	-	•	
200, 250	JETA250-LP	5,5"x 3,5"	134x84x26	30	9...60	92	13	•	1,2	-	•	•	•	~3.0	•	•	-	-	-	•	-	With filter JETA5	•
500, 600	JETA600-LP	7"x 4"	175x93x28	50	12...60	92	21	•	1	-	•	•	•	~3.0	•	-	•	•	•	•	•	With filter JETA10	•
800, 1000	JETA1000-LP	8"x 5"	211x117x34	60	15...60	92	18	•	1	-	•	•	•	~3.0	•	-	•	•	•	-	•	With filter JETA10	•
1200, 1500	JETA1500-LP	10"x 6"	250x140x36	60	24...60	92	18	•	1	-	•	•	•	~3.0	•	-	•	•	•	-	•	С фильтром JETA20	•
2000, 2500	JETA2500-LP	12"x 7"	300x170x36	80	24...60	92	18	•	1	-	•	•	•	~3.0	•	-	•	•	•	-	•	С фильтром JETA20	•

Notes: • - available, 1 – for special request -50 °C...+85 °C, the blue marked input voltages - the units are in our stock.

JETA-LP series replaces the previous generations of our units: JETA60... JETA2000 with maintaining overall dimensions

NEW ! JETNA-LP – three-phase AC/DC power supplies in low-profile metal cases with high power density and ultra-wide temperature range

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Power Factor Correction (PFC)	Number of outputs	Input voltage ~220 (187...253 B). 3 ph. without N	Input voltage ~400 (323...423 B). 3 ph. without N	Operating case temperature range -40...+85 °C (1)	Isolation in-out, kV	Remote on/off	Output voltage adjustment	External feedback	Parallel operation	Additional output for fan	External output voltage adjustment	Additional output AUX	Power Good	EMC standard EN55022	
																						Class B	Class A
1000	JETNA1000-LP	7"x 4"	175x93x28	60	12...60	91	36	0.92	1	•	•	•	~3.0	•	•	•	•	•	•	-	-	With filter JETAF15	•
2000	JETNA2000-LP	8"x 5"	211x117x34	100	15...60	91	39	0.92	1	•	•	•	~3.0	•	•	•	•	•	•	•	•	With filter JETAF15	•
3000	JETNA3000-LP	10"x 6"	250x140x36	125	24...60	93	39	0.92	1	•	•	•	~3.0	•	•	•	•	•	•	•	•	With filter JETAF15	•
5000	JETNA5000-LP	12"x 7"	300x170x38	200	24...60	94	42	0.92	1	•	•	•	~3.0	•	•	•	•	•	•	•	•	С внешним фильтром	•

Notes: • - available, 1 – for special request -50 °C...+85 °C or -60...+85°C (I), output voltage up to 400 VDC is available on request

The blue marked input voltages - the units are in our stock.

JETNA-LP series replaces the units: JETNA1000...JETNA5000.

JETA – single-phase AC/DC power supplies with PFC (from 300 W) in metal cases flanges for current projects using the previous generation of our units

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/inch ³	Power Factor Correction (PFC)	Number of outputs	Input voltage ~115 (81...138 VAC)	Input voltage~230 (182...242 VAC)	Input voltage~230W (100...242 VAC)	Operating case temperature range -40...+85 °C (1)	Isolation in-out, kV	Remote on/off	Galvanic isolation between outputs	Output voltage adjustment	External feedback	Parallel operation	DIN-rail mounting (option)	Additional options (please see datasheet)	EMC standard EN55022	
																						Class B	Class A
60	JETA60	4"x 2"	101x51x18.3	12	5...60	85	10	0.68	1,2	•	•	•	•	~3.0	-	•	-	-	-	•	-	•	
120	JETA120	4.5"x 2.5"	111x61x21	24	5...60	85	14	0.67	1,2	•	•	•	•	~3.0	-	•	-	-	-	•	-	•	
300	JETA300	5,5"x 3,5"	134x84x27.5	30	9...60	85	16	•	1,2	-	•	•	•	~3.0	•	•	-	-	-	•	-	With filter JETA5	•
700	JETA700	7"x 4"	175x93x28.6	50	12...60	88	25	•	1	-	•	•	•	~3.0	•	-	•	•	•	•	•	With filter JETA10	•
1200	JETA1200	8"x 5"	211x117x38.1	60	24...60	88	21	•	1	-	•	•	•	~3.0	•	-	•	•	•	-	•	With filter JETA10	•
2000	JETA2000	10"x 6"	250x140x39	80	24...60	88	24	•	1	-	•	•	•	~3.0	•	-	•	•	•	-	•	С фильтром JETA20	•

Notes: • - available, 1 – for special request -50 °C...+85 °C, output voltage up to 400 VDC is available on request

The blue marked input voltages - the units are in our stock.

JETA series replaces the previous generations of our units: TESA50...TESA2000.

TESH – DC/DC converters with high voltage input ranges in metal cases with flanges

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/In ³	Number of outputs	Input voltage 115 (82...198 VDC)	Input voltage 230 (175...350 VDC)	Input voltage 150W (110...375 VDC)	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Galvanic isolation between outputs	Output voltage adjustment	External feedback	Parallel operation	EMC standard EN55022	
																			Class B	Class A
50	TESH50	F5	73x53x13	10	5...60	86	16	1,2	•	•	•	•	1.5	•	•	•	-	-	with filter	•
100	TESH100	F6	95x68x13	17	12...60	89	20	1	•	•	•	•	1.5	•	-	•	-	-	with filter	•
200	TESH200	F6	95x68x13	17	12...60	89	39	1	•	•	•	•	1.5	•	-	•	•	•	with filter	•
500	TESH500	F7	110x84x15	34	12...60	91	59	1	•	•	•	•	1.5	•	-	•	•	•	with filter	•
1000	TESH1000	F8	168x110x16	42	24...60	92	56	1	•	•	•	•	1.5	•	-	•	•	•	with filter	•

Notes: • - available, 1 – for special request -60 °C...+130 °C, the blue marked input voltages - the units are in our stock.

TESAV - DC/DC converters in metal cases with flanges with built-in rectifier for creating AC/DC power supplies with ultra-wide temperature range (for example, the input capacitor could be in “cold zone”) or/and DC/DC converters with heightened inputs (AC or DC or AC & DC)

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/In ³	Number of outputs	Input voltage 36 (25...53 VAC; 36...75 VDC)	Input voltage 115 (81...138 VAC; 82...198 VDC)	Input voltage 230 (182...242 VAC; 175...350 VDC)	Input voltage 150W (110...350 VDC)	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Galvanic isolation between outputs	Output voltage adjustment	External feedback	Parallel operation	EMC standard EN55022	
																				Class B	Class A
50	TESAV50	F5	73x53x13	10	5...60	86	16	1,2	•	•	•	•	•	~3.0	•	•	•	-	-	with filter	•
100	TESAV100	F6	95x68x13	17	12...60	89	20	1	•	•	•	•	•	~3.0	•	-	•	-	-	with filter	•
200	TESAV200	F6	95x68x13	17	12...60	89	39	1	•	•	•	•	•	~3.0	•	-	•	•	•	with filter	•
500	TESAV500	F7	110x84x15	34	12...60	91	59	1	•	•	•	•	•	~3.0	•	-	•	•	•	with filter	•
1000	TESAV1000	F8	168x110x16	42	24...60	92	56	1	-	•	•	-	•	~3.0	•	-	•	•	•	with filter	•

Notes: • - available, 1 – for special request -60 °C...+130 °C, the blue marked input voltages - the units are in our stock.

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

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, 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 case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Output voltage adjustment	External feedback	Parallel operation	Стандарт ЭМС EN55022	
																		Class B	Class A
100	TESZ100	F6	95x68x13	9	12...60	85	20	1	•	•	•	•	~1.5	•	•	-	-	with filter	•
200	TESZ200	F7	110x84x15	17	12...60	85	24	1	•	•	•	•	~1.5	•	•	•	•	with filter	•
500	TESZ500	F8	168x110x16	34	12...60	85	28	1	•	•	•	•	~1.5	•	•	•	•	with filter	•

Notes: • - available, the blue marked input voltages - the units are in our stock.

TESD – DC/DC converters in metal cases flanges with flanges for current projects using the previous generation of our units

Output power, W	Unit type	Case type	Dimensions, mm	Max. output current, A	Range of possible output voltages, VDC	Typical efficiency	Power density, W/In ³	Number of outputs	Input voltage 12 (10.2-15 VDC), 1s deviation of 18 VDC.	Input voltage 12W (10.2-30 VDC), 1s deviation 36 VDC.	Input voltage 24 (20-30 VDC), 1s deviation 36 VDC.	Input voltage 24W (20-60 VDC), 1s deviation 80 VDC.	Input voltage 27 (20-40 VDC), 1s deviation 80 VDC.	Input voltage 27W (15-50 VDC), 1s deviation 80 VDC.	Input voltage 48 (36-75 VDC), 1s deviation 80 VDC.	Operating case temperature range -40...+110 °C (1)	Isolation in-out, kV	Remote on/off	Output voltage adjustment	EMC standard EN55022	
																				Class B	Class A
10	TESD10	F1	30x20x10	2	5...60	88	27	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
15	TESD15	F2	40x30x11	3	5...60	88	19	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF5	•
30	TESD30	F3	48x33x11	6	5...60	90	28	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF10	•
60	TESD60	F4	58x40x11	12	5...60	90	37	1,2	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF10	•
100	TESD100	F5	73x53x13	16	5...60	92	33	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF20	•
200	TESD200	F6	95x68x13	16	12...60	92	39	1	*	*	•	*	•	*	•	•	=1.5	•	•	With filter JETDF20	•
500	TESD500	F7	110x84x15	40	12...60	92	59	1	-	-	•	*	•	*	•	•	=1.5	•	•	with filter	•
1000	TESD1000	F8	168x110x16	40	24...60	90	55	1	-	-	•	*	•	*	•	•	=1.5	•	•	with filter	•

Notes: • - available, * - for request, 1 – for special request -60 °C...+130 °C, the blue marked input voltages - the units are in our stock.

JETDF – DC filters (replacement for TEFD)

Nominal current, A	Unit type	Case type	Dimensions without flanges, mm	Input voltage 12W (10..2...36 VDC)	Input voltage 24W (18...72 VDC)	Operating temperature range of case -60...+125°C	Isolation input/case, output/case, VAC	Insertion loss
2,5	JETDF2.5	F1	30x20x10	•	•	•	500	15...55 dB (see datasheet)
5	JETDF5	F2	40x30x10	•	•	•	500	15...55 dB (see datasheet)
10	JETDF10	F3	48x33x10	•	•	•	500	15...55 dB (see datasheet)
20	JETDF20	F4	58x40x10	•	•	•	500	15...55 dB (see datasheet)

Notes: • - available.

JETDF series replaces the previous generations of our units: TEFD2.5...TEFD20.

JETAF – AC filters (replacement for TEFA)

Nominal current, A	Unit type	Case type	Dimensions, mm	Input voltage 115 (81...138 VAC)	Input voltage 230 (182...242 VAC)	Input voltage 230W (100...242 VAC)	Input voltage 400 (323...423 VAC), 3 ph.)	Operating temperature range of case -60...+125°C	Operating temperature range of case -50...+85°C	Isolation input/case, output/case, VAC	Insertion loss
1	JETAF1	AF1	58x40x10	•	•	•	-	•	-	~1500 В	20...55 дБ (см. даташит)
5	JETAF5	A1	101x51x20	•	•	•	-	-	•	~1500 В	20...55 дБ (см. даташит)
10	JETAF10	A2	111x61x24	•	•	•	-	-	•	~1500 В	20...55 дБ (см. даташит)
20	JETAF20	A3	134x84x28	•	•	•	-	-	•	~1500 В	20...55 дБ (см. даташит)
15	JETAF15-380	A4	134x84x28	-	-	-	•	-	•	~1500 В	20...55 дБ (см. даташит)

Notes: • - available.

JETAF series replaces the previous generations of our units: TEFA1...TEFA20.