

EPSITRON® Power Supply System



EPSITRON® PRO Power

Switched-Mode Power Supplies, 1-Phase, 787 Series

Switched-Mode Power Supplies, 3-Phase, 787 Series



EPSITRON® CLASSIC Power

Switched-Mode Power Supplies, 1-Phase, 787 Series

Switched-Mode Power Supplies, 1/2-Phase, 787 Series

Switched-Mode Power Supplies, 3-Phase, 787 Series



EPSITRON® ECO Power

Switched-Mode Power Supplies, 1-Phase, 787 Series

Switched-Mode Power Supplies, 3-Phase, 787 Series



EPSITRON® COMPACT Power

Switched-Mode Power Supplies, 1-Phase, 787 Series



EPSITRON® – UPS, Battery Modules and Buffer Modules

Switched-Mode Power Supply with Integrated UPS Charger and Controller

EPSITRON® Uninterruptible Power Supplies (UPS), 787 Series

EPSITRON® Lead-Acid (AGM) Battery Modules, 787 Series

EPSITRON® Capacitive Buffer Modules, 787 Series



EPSITRON® – Redundancy Modules

787 Series



EPSITRON® Electronic Circuit Breakers

787 Series



DC/DC converters

EPSITRON® COMPACT Power – DC/DC Converters, 787 Series



Constant Voltage Sources and Power Supplies

Rail-Mount Modules – Constant Voltage Sources, 288 and 289 Series

Rail-Mount Modules – Power Supplies, 288 Series



Accessories, 787 Series

EPSITRON® Communication Cables, Wall-Mount Adapter, Carrier Rail Adapters

EPSITRON® Power Supplies Selection Guide

Switched-Mode Power Supplies, 24 VDC Output

Nominal output current [ADC]	Input 1-phase	Input 2-/3-phase	Approvals						DC OK signal/contact	RS-232 serial interface	TopBoost*	PowerBoost	Efficiency typ. [%]	Ambient operating temperature [°C]****	Item Number	Page
			EN 60335	cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex								
1,0	■		■	■	■	■							86,0	-25 ... +70	787-1602**	331
1,25	■		■	■	■	■							80,0	-20 ... +60	787-1702	351
1,3	■		■	■	■	■							82,0	-25 ... +60	787-1002	369
1,3	■		■	■	■	□							82,0	-25 ... +60	787-1102	359
1,3	■		■	■	■	■							87,0	-25 ... +70	787-1202	363
2,0	■		■	■	■	■							89,0	-25 ... +70	787-1606**	331
2,5	■		■	■	■	■		■					86,0	-10 ... +70	787-712	347
2,5	■		■	■	■	■							81,0	-20 ... +60	787-1712	351
2,5	■		■	■	■	■							88,0	-25 ... +60	787-1012	370
2,5	■		■	■	■	□							88,0	-25 ... +60	787-1112	359
2,5	■		■	■	■	■							89,0	-25 ... +70	787-1212	363
3,0	■		■	■	■	■				■			87,8	-25 ... +70	787-818	316
3,8	■		■	■	■	■							87,0	-25 ... +70	787-1616/000-1000**	332
4,0	■		■	■	■	■							89,0	-25 ... +70	787-1616	332
4,0	■		■	■	■	■							88,0	-25 ... +60	787-1022	370
4,0	■		■	■	■	□							88,0	-25 ... +60	787-1122	360
4,2	■		■	■	■	□							90,0	-25 ... +70	787-1216	364
5,0	■		■	■	■	■				■			87,8	-25 ... +70	787-822	317
5,0	■		■	■	■	■							89,0	-25 ... +70	787-1622	333
5,0	■	■	■	■	■	■				■			89,0	-25 ... +70	787-1628	341
5,0	■		■	■	■	■			■				89,0	-25 ... +70	787-1675***	372
5,0	■		■	■	■	■		■					86,0	-10 ... +60	787-722	347
5,0	■		■	■	■	■							84,0	-20 ... +60	787-1722	352
6,0	■		■	■	■	□							90,0	-25 ... +70	787-1226	364
6,25	■	■	■	■	■	□							87,0	-25 ... +70	787-738	355
10,0	■		■	■	■	■				■			90,0	-25 ... +70	787-832	317
10,0	■		■	■	■	■				■			91,0	-25 ... +70	787-1632	333
10,0	■		■	■	■	■		■					86,0	-10 ... +70	787-732	348
10,0	■		■	■	■	■							84,0	-20 ... +60	787-1732	352
10,0	■	■	■	■	■	■			■				91,7	-25 ... +70	787-850	322
10,0	■	■	■	■	■	■							91,7	-25 ... +70	787-840	321
10,0	■	■	■	■	■	□				■			90,0	-25 ... +70	787-1640	343
10,0	■	■	■	■	■	□							89,0	-25 ... +70	787-740	355
20,0	■		■	■	■	■				■			91,0	-25 ... +70	787-834	318
20,0	■		■	■	■	■				■			92,0	-25 ... +70	787-1634	334
20,0	■		■	■	■	■							90,0	-25 ... +70	787-734	348
20,0	■	■	■	■	■	■			■				92,9	-25 ... +70	787-852	323
20,0	■	■	■	■	■	■							92,9	-25 ... +70	787-842	321
20,0	■	■	■	■	■	□				■			92,0	-25 ... +70	787-1642	343
20,0	■	■	■	■	■	□							90,0	-25 ... +70	787-742	356
40,0	■		■	■	■	■							90,0	-25 ... +70	787-736	349
40,0	■	■	■	■	■	■			■				93,6	-25 ... +55	787-854	323
40,0	■	■	■	■	■	■				■			93,6	-25 ... +55	787-844	322
40,0	■	■	■	■	■	□				■			92,0	-25 ... +70	787-1644	344

Switched-Mode Power Supplies, 5, 12, 18, 48 VDC Output

Nominal output current [ADC]	Input, 1-phase	Input, 2-/3-phase	Approvals						DC OK signal/contact	RS-232 serial interface	TopBoost*	PowerBoost	Efficiency typ. [%]	Ambient operating temperature [°C] ****	Item Number	Page
			EN 60335	cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex								
5,5	■			■	■	□						75,0	-25 ... +60	787-1020	367	
Output: 12 VDC																
2,0	■			■	■	■		■				82,0	-25 ... +70	787-1601**	327	
2,0	■			■	■	■		■				80,0	-25 ... +60	787-1001	367	
4,0	■			■	■	■		■				86,0	-25 ... +70	787-1611**	327	
4,0	■			■	■	■		■				85,0	-25 ... +60	787-1011	368	
6,0	■			■	■	■		■	■	■		83,0	-25 ... +70	787-819	315	
6,5	■			■	■	■		■				87,0	-25 ... +60	787-1021	368	
7,0	■			■	■	■		■				86,0	-25 ... +70	787-1621	328	
10,0	■			■	■	■		■	■	■		87,8	-25 ... +70	787-821	315	
15,0	■			■	■	■		■	■	■		87,0	-25 ... +70	787-831	316	
15,0	■			■	■	■		■	■	■		90,0	-25 ... +70	787-1631	328	
Output: 18 VDC																
2,5	■			■	■	□						83,0	-25 ... +60	787-1017	369	
Output: 48 VDC																
2,0	■			■	■	■		■				86,0	-25 ... +70	787-1623	337	
5,0	■			■	■	■		■	■	■		91,0	-25 ... +70	787-833	318	
5,0	■			■	■	■		■	■	■		92,0	-25 ... +70	787-1633	337	
10,0	■			■	■	■		■	■	■		91,0	-25 ... +70	787-835	319	
10,0	■			■	■	■		■	■	■		93,0	-25 ... +70	787-1635	338	
10,0		■		■	■	■		■	■	■		93,0	-25 ... +70	787-845	325	
20,0		■		■	■	■		■	■	■		94,4	-25 ... +70	787-847	325	

DC/DC converters

Nominal input voltage [VDC]	Nominal voltage output [VDC]	Nominal output current [A]	Approvals						DC OK signal/contact	Efficiency typ. [%]	Ambient operating temperature [°C]	Item Number	Page
			cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	EN 50155					
24,0	5,0	0,5	□	□	□	□	□	■	82,5	-25 ... +70	787-2801	421	
24,0	10,0	0,5	□	□	□	□	□	■	89,0	-25 ... +70	787-2802	421	
48,0	24,0	0,5	□	□	□	□	□	■	91,0	-25 ... +70	787-2803	422	
24,0	12,0	0,5	□	□	□	□	□	■	90,0	-25 ... +70	787-2805	422	
24,0	5/10/12	0,5	□	□	□	□	□	■	82,5	-25 ... +70	787-2810	423	
110,0	24,0	2,0						■	85,0	-40 ... +70	787-1014	419	
72,0	24,0	2,0						■	86,0	-40 ... +70	787-1014/072-000	419	

■ yes □ pending

* TopBoost enables magnetic tripping of circuit breakers in the output circuit.

** Class 2 Power Unit acc. to cURus 1310 or cURus 60950

*** with uninterruptible power supply (UPS)

**** Device starts at -40 °C, type-tested for 787-8xx, -10xx, -16xx

EPSITRON® SYSTEM MODULES

Selection Guide

Uninterruptible Power Supplies (UPS)

Input		Output		Approvals						Dimensions and Environmental Conditions				Item Number	Page
Nominal voltage [VAC]	Nominal voltage [VDC]	Nominal voltage [VDC]	Nominal current [ADC]	EN 60335	cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Ambient operating temperature [°C]		
-	24	24	10,0		■	■				40,0	163,0	163,0	-10 ... +60	787-870	375
-	24	24	20,0		■	■				57,0	163,0	171,0	-10 ... +60	787-875	375
100 ... 240	110 ... 370	24	5,0		■	■	■			60,0	135,5	127,0	-25 ... +70	787-1675	372

Battery Modules

Input		Output		Approvals						Dimensions and Environmental Conditions				Item Number	Page	
Nominal voltage [VDC]	Nominal voltage [VDC]	Nominal capacity [Ah]	Nominal capacity [Ah]	EN 60335	cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Battery tested to VdS	Width [mm]	Height [mm]	Length [mm]	Ambient operating temperature [°C]		
24	24	1,2	1,2			■				■	55,0	136,5	153,0	-15 ... +40	787-876	377
24	24	3,2	3,2			■				■	76,2	175,5	168,0	-15 ... +40	787-871	377
24	24	7,0	7,0			■				■	86,0	217,5	236,0	-15 ... +40	787-872	378
24	24	12,0	12,0			■				■	120,5	217,5	236,0	-15 ... +40	787-873	378

Capacitive Buffer Modules

Input/Output, Buffer			Approvals						Dimensions and Environmental Conditions				Item Number	Page
Nominal input/output voltage [VDC]	Nominal output current [ADC]	Buffer time [s]	EN 60335	cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Ambient operating temperature [°C]		
24	10,0	0.06 ... 7.2		■	■				57,0	179,0	163,0	-10 ... +50	787-880	381
24	20,0	0.17 ... 16.5		■	■				57,0	179,0	181,0	-10 ... +50	787-881	381

■ yes □ pending
* NEC Class 2

Redundancy Modules

Input		Output		Approvals						Dimensions and Environmental Conditions					
Nominal voltage [VDC]		Nominal voltage [VDC]	Nominal current [ADC]	EN 60335	cURus 60950	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Ambient operating temperature [°C]	Item Number	Page
12 ... 48		12 ... 48	12,5							50,0	92,0	130,0	-25 ... +70	787-783	383
24		24	20,0							40,0	163,0	181,0	-10 ... +60	787-885	385
12 ... 48		12 ... 48	40,0							83,0	153,0	130,0	-25 ... +70	787-785	383
48		48	20,0							40,0	163,0	181,0	-10 ... +60	787-886	385

Electronic Circuit Breakers (ECBs)

Input/Output					Approvals						Dimensions and Environmental Conditions				Item Number	Page
Nominal input/output voltage [VDC]	Output Channels	Nominal output current [ADC]	Active current limitation	Isolated signal contact	EN 60335	UR 2367	cULus 508	GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Ambient operating temperature [°C]	Item Number	Page
24	2	2 ... 10									45	115,5	90	-25 ... +70	787-1662	393
24	2	2 ... 10									45	115,5	90	-25 ... +70	787-1662/000-004	394
24	2	2 ... 10									45	115,5	90	-25 ... +70	787-1662/000-054	394
24	2	3.8 LPS									45	115,5	90	-25 ... +70	787-1662/004-1000*	389
24	2	0.5 ... 6									45	115,5	90	-25 ... +70	787-1662/006-1000	389
24	2	1 ... 6									45	115,5	90	-25 ... +70	787-1662/106-000	393
24	2	2 ... 12									45	115,5	90	-25 ... +70	787-1662/212-1000	390
24	4	2 ... 10									45	115,5	90	-25 ... +70	787-1664	406
24	4	2 ... 10									45	115,5	90	-25 ... +70	787-1664/000-004	407
24	4	2 ... 10									45	115,5	90	-25 ... +70	787-1664/000-054	407
24	4	3.8 LPS									45	115,5	90	-25 ... +70	787-1664/004-1000*	402
24	4	0.5 ... 6									45	115,5	90	-25 ... +70	787-1664/006-1000	401
24	4	1 ... 6									45	115,5	90	-25 ... +70	787-1664/106-000	406
24	4	2 ... 12									45	115,5	90	-25 ... +70	787-1664/212-1000	402
24	4	0.5 ... 6									45	115,5	90	-25 ... +70	787-1664/006-1054	403
24	4	1 ... 6									40	163	171	-10 ... +60	787-860	405
24	4	1 ... 8									40	163	171	-10 ... +60	787-861	401
24	4	1 ... 10									40	163	171	-10 ... +60	787-862	405
24	8	2 ... 10									42	142,5	127	-25 ... +70	787-1668	413
24	8	2 ... 10									42	142,5	127	-25 ... +70	787-1668/000-004	414
24	8	2 ... 10									42	142,5	127	-25 ... +70	787-1668/000-054	414
24	8	0.5 ... 6									42	142,5	127	-25 ... +70	787-1668/006-1000	411
24	8	1 ... 6									42	142,5	127	-25 ... +70	787-1668/106-000	413
24	8	0.5 ... 6									42	142,5	127	-25 ... +70	787-1668/006-1054	411
12	2	2 ... 10									45	115,5	90	-25 ... +70	787-1662/000-100	387
12	4	2 ... 10									45	115,5	90	-25 ... +70	787-1664/000-100	398
48	2	2 ... 10									45	115,5	90	-25 ... +70	787-1662/000-200	397
48	2	2 ... 10									45	115,5	90	-25 ... +70	787-1662/000-250	397
48	4	2 ... 10									45	115,5	90	-25 ... +70	787-1664/000-200	409
48	4	2 ... 10									45	115,5	90	-25 ... +70	787-1664/000-250	409
48	8	2 ... 10									42	142,5	127	-25 ... +70	787-1668/000-200	417
48	8	2 ... 10									42	142,5	127	-25 ... +70	787-1668/000-250	417