


EPSITRON® – ADVANCED POWER SUPPLY SYSTEM

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EPSITRON® Power Supplies

	Item Number	Output	Input Voltage Range	Dimensions in mm (W x H x L)	Functional Description
EPSITRON® PRO Power – Professional and Efficient Power Supplies with Extra Power					
	787-819	12 VDC (11 ... 18 V) / 6 A	1 x 85 ... 264 VAC 120 ... 373 VDC	40 x 163 x 163	<ul style="list-style-type: none"> • TopBoost provides up to 60 A of additional output for 50 ms • PowerBoost offers up to 200 % of output power for four seconds • DC OK contact and stand-by input • Clear operating status indication via LED • Up to 94 % efficiency • Ambient operating temperature: -25 ... +70 °C (device starts at -40 °C, type-tested) • Slim design and versatile mounting options • Pluggable CAGE CLAMP® connectors • Approvals: UL 508, UL 60950 • LineMonitor for parameter setting and input/output monitoring ³⁾
	787-821	12 VDC (11 ... 18 V) / 10 A		57 x 163 x 163	
	787-831	12 VDC (11 ... 18 V) / 15 A		57 x 179 x 163	
	787-818	24 VDC (22 ... 29.5 V) / 3 A		40 x 163 x 163	
	787-822	24 VDC (22 ... 29.5 V) / 5 A		57 x 163 x 163	
	787-832	24 VDC (22 ... 29.5 V) / 10 A		57 x 179 x 163	
	787-834	24 VDC (22 ... 29.5 V) / 20 A		97 x 187 x 171	
	787-833	48 VDC (33 ... 52 V) / 5 A		57 x 179 x 163	
	787-835	48 VDC (33 ... 52 V) / 10 A	97 x 187 x 171		
	787-840	24 VDC (22.8 ... 28.8 V) / 10 A	2/3 x 340 ... 550 VAC 480 ... 780 VDC	57 x 179 x 163	
	787-842	24 VDC (22.8 ... 28.8 V) / 20 A		77 x 179 x 171	
	787-844	24 VDC (22.8 ... 28.8 V) / 40 A		128 x 205 x 171	
	787-850 ^{a)}	24 VDC (22.8 ... 28.8 V) / 10 A		57 x 179 x 163	
	787-852 ^{a)}	24 VDC (22.8 ... 28.8 V) / 20 A		77 x 179 x 171	
	787-854 ^{a)}	24 VDC (22.8 ... 28.8 V) / 40 A		128 x 205 x 171	
	787-845	48 VDC (39 ... 53 V) / 10 A		77 x 179 x 171	
787-847	48 VDC (39 ... 53 V) / 20 A	128 x 205 x 171			
EPSITRON® CLASSIC Power – Robust Power Supplies with Integrated TopBoost (Optional)					
	787-1601 ^{b)}	12 VDC (11.5 ... 14.5 V) / 2 A	1/2 x 85 ... 264 VAC 120 ... 372 VDC	22.5 x 107.5 x 90	<ul style="list-style-type: none"> • Slim design • Integrated TopBoost (787-16xx with ≥ 120 W) • DC OK signal/contact • Clear operating status indication via LED • Marking field for device identification • Up to 93 % efficiency • Ambient operating temperature: -25 ... +70 °C (device starts at -40 °C, type-tested) • Pluggable CAGE CLAMP® connectors • Approvals: UL 508, UL 60950, GL • Approval: EN 60335-1 ¹⁾
	787-1611 ^{b)}	12 VDC (11.5 ... 14.5 V) / 4 A		45 x 107.5 x 90	
	787-1621 ^{b)}	12 VDC (11.5 ... 14.5 V) / 7 A		52 x 121 x 90	
	787-1631	12 VDC (11.5 ... 15 V) / 15 A		55 x 172 x 127	
	787-1602 ^{b)}	24 VDC (23 ... 28.5 V) / 1 A		22.5 x 107.5 x 90	
	787-1606 ^{b)}	24 VDC (23 ... 28.5 V) / 2 A		45 x 107.5 x 90	
	787-1616 ^{b)}	24 VDC (23 ... 28.5 V) / 4 A		52 x 121 x 90	
	787-1616/0000-1000 ^{b)}	24 VDC (23 ... 28.5 V) / 3.8 A LPS		52 x 121 x 90	
	787-1622 ^{b)}	24 VDC (23 ... 28.5 V) / 5 A		42 x 137.5 x 127	
	787-1632	24 VDC (23 ... 28.5 V) / 10 A		55 x 172 x 127	
	787-1634	24 VDC (23 ... 28.5 V) / 20 A		95 x 177 x 127	
	787-1623 ^{b)}	48 VDC (40 ... 56 V) / 2 A		52 x 121 x 90	
	787-1633	48 VDC (40 ... 56 V) / 5 A	55 x 172 x 127		
	787-1635	48 VDC (40 ... 56 V) / 10 A	95 x 177 x 127		
	787-1628	24 VDC (23 ... 28.5 V) / 5 A	1/2 x 180 ... 500 VAC 254 ... 780 VDC	42 x 143.5 x 127	
	787-1638	24 VDC (23 ... 28.5 V) / 10 A		55 x 146.5 x 127	
	787-1640	24 VDC (23 ... 28.5 V) / 10 A	2/3 x 320 ... 575 VAC 450 ... 800 VDC	55 x 171 x 127	
	787-1642	24 VDC (23 ... 28.5 V) / 20 A		80 x 178 x 127	
787-1644	24 VDC (23 ... 28.5 V) / 40 A	126 x 196 x 127			
EPSITRON® ECO Power – Economical Power Supplies for Standard Applications					
	787-712 ^{c)}	24 VDC (22 ... 28 V) / 2.5 A	1 x 85 ... 264 VAC 130 ... 373 VDC	50 x 92 x 130	<ul style="list-style-type: none"> • Economical and robust metal housing • Clear operating status LED indication and optional DC OK contact • Up to 90 % efficiency • Ambient operating temperature: -25 ... +70 °C • Approvals: UL 508, UL 60950 • Approvals: ATEX/IEC Ex, Zone 2 or Class I Div. 2 ^{d)}
	787-722 ^{c)}	24 VDC (22 ... 28 V) / 5 A		75 x 92 x 130	
	787-732 ^{c)}	24 VDC (22 ... 28 V) / 10 A		110 x 92 x 130	
	787-734	24 VDC (22 ... 28 V) / 20 A	1 x 90 ... 264 VAC 130 ... 373 VDC	115 x 144 x 130	
	787-736	24 VDC (22 ... 28 V) / 40 A		170 x 153 x 130	
	787-738	24 VDC (22 ... 28 V) / 6.25 A		50 x 92 x 130	
	787-740	24 VDC (22 ... 28 V) / 10 A	2/3 x 325 ... 575 VAC 460 ... 800 VDC (Nominal input voltage UL: 400 VAC)	65 x 130 x 130	
	787-742	24 VDC (22 ... 28 V) / 20 A		110 x 153 x 130	
	787-1702	24 VDC (22 ... 26 V) / 1.25 A		1 x 90 ... 264 VAC 125 ... 375 VDC	
	787-1712	24 VDC (22 ... 26 V) / 2.5 A	40 x 99 x 90		
787-1722	24 VDC (22 ... 26 V) / 5 A	60 x 99 x 130			
787-1732	24 VDC (22 ... 26 V) / 10 A	70 x 99 x 165			
EPSITRON® COMPACT Power – Compact, High-Performance Power Supplies					
	787-1001	12 VDC (10.8 ... 18 V) / 2 A	1 x 85 ... 264 VAC 120 ... 373 VDC	54 x 55 x 89	<ul style="list-style-type: none"> • Compact, low-profile design • Ideal for decentralized applications • Clear operating status indication via LED • Up to 88 % efficiency • Ambient operating temperature: -25 ... +60 °C (device starts at -40 °C, type-tested) • Overhead mounting permitted • Approvals: UL 508, UL 60950, GL
	787-1011	12 VDC (10.5 ... 15.5 V) / 4 A		72 x 55 x 89	
	787-1021	12 VDC (10.5 ... 15.5 V) / 6.5 A		90 x 55 x 89	
	787-1017	18 VDC (15 ... 28 V) / 2.5 A		72 x 55 x 89	
	787-1002	24 VDC (22.8 ... 26.4 V) / 1.3 A		54 x 55 x 89	
	787-1012	24 VDC (22.8 ... 26.4 V) / 2.5 A		72 x 55 x 89	
	787-1022	24 VDC (22.8 ... 26.4 V) / 4 A		90 x 55 x 89	
	787-1102	24 VDC (22.8 ... 26.4 V) / 1.3 A		54 x 55 x 89	
	787-1112	24 VDC (22.8 ... 26.4 V) / 2.5 A		72 x 55 x 89	
	787-1122	24 VDC (22.8 ... 26.4 V) / 4 A		90 x 55 x 89	
	787-1020	5 VDC (4.5 ... 8.5 V) / 5.5 A		72 x 55 x 89	
	787-1202	24 VDC (22 ... 26 V) / 1.3 A		1 x 90 ... 264 VAC 125 ... 375 VDC	
787-1212	24 VDC (22 ... 26 V) / 2.5 A	72 x 56 x 90			
787-1216	24 VDC (22 ... 26 V) / 4.2 A	108 x 56 x 90			
787-1226	24 VDC (22 ... 26 V) / 6 A	144 x 56 x 90			
EPSITRON® – Safety Transformers – Robust and Low-Profile DIN-Rail-Mount Modules					
	787-974	12/24 VAC (0 ... 24 V) / 40 VA	110/230 VAC (0 ... 230 V)	126 x 54 x 90	<ul style="list-style-type: none"> • Robust housing for easy and vibration-proof DIN-rail mounting • Ambient operating temperature: -25 ... +55 °C • Approval: UL 5085
	787-976	12/24 VAC (0 ... 24 V) / 63 VA		144 x 54 x 90	

EPSITRON® Power Supplies

	Item Number	Output	Input Voltage Range	Dimensions in mm (W x H x L)	Functional Description
EPSITRON® DC/DC Converters – Dependable Power Supply for Specialty Voltages					
	787-2801	5 VDC / 0.5 A	24 VDC (10 ... 30 V)	6 x 96 x 94	<ul style="list-style-type: none"> • Full commoning of the supply voltage with both 857 and 2857 Series • DC OK contact • Approvals: UL 508, UL 60950, GL (except 787-2803)
	787-2802	10 VDC / 0.5 A	24 VDC (15 ... 30 V)	6 x 96 x 94	
	787-2803	24 VDC / 0.5 A	48 VDC (40 ... 55 V)	6 x 96 x 94	
	787-2805	12 VDC / 0.5 A	24 VDC (15 ... 30 V)	6 x 96 x 94	
	787-2810	5 / 10 / 12 VDC, adjustable / 0.5 A	24 VDC (10 ... 30 V)	6 x 96 x 94	
	787-1014	24 VDC / 2 A	110 VDC (77 ... 140 V)	72 x 55 x 89	<ul style="list-style-type: none"> • Suitable for railway applications per EN 50155 • Approvals: UL 508, UL 60950, GL
	787-1014/0072-0000	24 VDC / 2 A	72 VDC (40 ... 90 V)	72 x 55 x 89	

EPSITRON® System Modules

	Item Number	Output	Input Voltage Range	Dimensions in mm (W x H x L)	Functional Description		
EPSITRON® Uninterruptible Power Supplies (UPS) – Reliably Compensate for Long Power Outages							
	787-870	24 VDC (20 ... 25.5 V) / 10 A	24 VDC	40 x 163 x 163	<ul style="list-style-type: none"> Slim UPS charger and controller with convenient visualization and configuration Optional power supply with integrated UPS charger and controller (787-1675) Battery control technology for predictive maintenance that extends battery life Pluggable CAGE CLAMP® connectors Approvals: UL 508, UL 60950 		
	787-875	24 VDC (20 ... 25.5 V) / 20 A		57 x 163 x 171			
	787-1675	23 ... 28.5 VDC (mains operation) 18.5 ... 27.5 VDC (battery operation) / 5 A	1/2 x 85 ... 264 VAC 110 ... 370 VDC	60 x 135.5 x 127			
	787-1671	24 VDC / max. 5 A / 0.8 A	24 VDC	72 x 124.5 x 97			
	787-876	24 VDC / max. 7.5 A / 1.2 Ah		55 x 136.5 x 153			
	787-871	24 VDC / max. 20 A / 3.2 Ah		76.2 x 175.5 x 168			
	787-872	24 VDC / max. 40 A / 7 Ah		86 x 217.5 x 236			
	787-873	24 VDC / max. 40 A / 12 Ah		120.5 x 217.5 x 236			
EPSITRON® Capacitive Buffer Modules – Short-Term Power Reserves for Mains Failures and Load Changes							
	787-880	24 VDC (20.4 ... 24 V) / 10 A	24 VDC	57 x 179 x 163	<ul style="list-style-type: none"> Maintenance-free, high-energy gold caps Integrated diodes for decoupling buffered loads from unbuffered loads Parallel connections possible Indication via LED and contact Configurable switch-on threshold Ambient operating temperature: -10 ... +50 °C Pluggable CAGE CLAMP® connectors Approval: UL 508 		
	787-881	24 VDC (20.4 ... 24 V) / 20 A		57 x 179 x 181			
EPSITRON® Redundancy Modules – Reliably Increase Power Supply Stability							
	787-1685	24 VDC / 20 A, max. 40 A	2 x 24 VDC	42 x 139.5 x 127	<ul style="list-style-type: none"> Integrated power diodes or MOSFET (787-1685 only) with overload capability Solutions for 12/24/48 VDC supply, up to 76 A Parallel connections possible, reverse voltage protection Clear operating status LED indication and optional signal contact Ambient operating temperature: -25 ... +70 °C (787-1685: cold start at -40 °C) Approvals: UL 508, UL 60950 		
	787-885	24 VDC / 20 A, max. 40 A		40 x 163 x 181			
	787-886	48 VDC / 20 A, max. 40 A	2 x 48 VDC	40 x 163 x 181			
	787-783	9 ... 54 VDC / 12.5 A, max. 25 A	2 x 9 ... 54 VDC	50 x 92 x 130			
	787-785	9 ... 54 VDC / 40 A, max. 76 A		83 x 153 x 130			
EPSITRON® Electronic Circuit Breakers – Compact and Precise ECBs for DC Circuits							
	787-2861/0100-0000	1 x 24 VDC / 1 A	24 VDC	6 x 96 x 94	<ul style="list-style-type: none"> One channel with preset nominal current Two, four or eight channels with a six-stage adjustable nominal current Slim design, communication capability High switch-on capacity reduces false tripping Ambient operating temperature: -25 ... +70 °C Approvals: UL 508, UL 2367, UL 61010, GL Optional active current limitation ^{d)} With potential-free signal contact ^{e)} Specialty configuration ^{f)} 		
	787-2861/0200-0000	1 x 24 VDC / 2 A		6 x 96 x 94			
	787-2861/0400-0000	1 x 24 VDC / 4 A		6 x 96 x 94			
	787-2861/0600-0000	1 x 24 VDC / 6 A		6 x 96 x 94			
	787-2861/0800-0000	1 x 24 VDC / 8 A		6 x 96 x 94			
	787-1662	2 x 24 VDC / 2 ... 10 A		24 VDC		45 x 115.5 x 90	
	787-1662/0106-0000	2 x 24 VDC / 1 ... 6 A				45 x 115.5 x 90	
	787-1662/0000-0004 ^{f)}	2 x 24 VDC / 2 ... 10 A				45 x 115.5 x 90	
	787-1662/0000-0054 ^{e, f)}	2 x 24 VDC / 2 ... 10 A				45 x 115.5 x 90	
	787-1662/0004-1000 ^{d)}	2 x 24 VDC / 3.8 A				45 x 115.5 x 90	
	787-1662/0006-1000 ^{d)}	2 x 24 VDC / 0.5 ... 6 A				45 x 115.5 x 90	
	787-1662/0212-1000 ^{d)}	2 x 24 VDC / 2 ... 12 A				45 x 115.5 x 90	
	787-1664	4 x 24 VDC / 2 ... 10 A				24 VDC	45 x 115.5 x 90
	787-1664/0106-0000	4 x 24 VDC / 1 ... 6 A					45 x 115.5 x 90
	787-1664/0000-0004 ^{f)}	4 x 24 VDC / 2 ... 10 A					45 x 115.5 x 90
	787-1664/0000-0054 ^{e, f)}	4 x 24 VDC / 2 ... 10 A					45 x 115.5 x 90
	787-1664/0004-1000 ^{d)}	4 x 24 VDC / 3.8 A					45 x 115.5 x 90
	787-1664/0006-1000 ^{d)}	4 x 24 VDC / 0.5 ... 6 A					45 x 115.5 x 90
	787-1664/0212-1000 ^{d)}	4 x 24 VDC / 2 ... 12 A					45 x 115.5 x 90
	787-1664/0006-1054 ^{d, e, f)}	4 x 24 VDC / 0.5 ... 6 A					45 x 115.5 x 90
	787-1668	8 x 24 VDC / 2 ... 10 A				24 VDC	42 x 142.5 x 127
	787-1668/0106-0000	8 x 24 VDC / 1 ... 6 A		42 x 142.5 x 127			
	787-1668/0000-0004 ^{f)}	8 x 24 VDC / 2 ... 10 A		42 x 142.5 x 127			
	787-1668/0000-0054 ^{e, f)}	8 x 24 VDC / 2 ... 10 A		42 x 142.5 x 127			
	787-1668/0006-1000 ^{d)}	8 x 24 VDC / 0.5 ... 6 A		42 x 142.5 x 127			
	787-1668/0006-1054 ^{d, e, f)}	8 x 24 VDC / 0.5 ... 6 A		42 x 142.5 x 127			
	787-1662/0000-0100	2 x 12 VDC / 2 ... 10 A		12 VDC			45 x 115.5 x 90
	787-1664/0000-0100	4 x 12 VDC / 2 ... 10 A					45 x 115.5 x 90
	787-1662/0000-0200	2 x 48 VDC / 2 ... 10 A		48 VDC		45 x 115.5 x 90	
	787-1662/0000-0250 ^{e)}	2 x 48 VDC / 2 ... 10 A				45 x 115.5 x 90	
	787-1664/0000-0200	4 x 48 VDC / 2 ... 10 A				45 x 115.5 x 90	
	787-1664/0000-0250 ^{e)}	4 x 48 VDC / 2 ... 10 A				45 x 115.5 x 90	
787-1668/0000-0200	8 x 48 VDC / 2 ... 10 A	42 x 142.5 x 127					
787-1668/0000-0250 ^{e)}	8 x 48 VDC / 2 ... 10 A	42 x 142.5 x 127					

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