

# EPSITRON® – ADVANCED POWER SUPPLY SYSTEM

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## EPSITRON® Power Supply System

	Item Number	Output	Input Voltage Range	Dimensions in mm (W x H x L)	Functional Description
<b>EPSITRON® PRO Power – Professional and Efficient Power Supplies with Extra Power</b>					
	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"> <li>• TopBoost provides up to 60 A of additional output for 50 ms</li> <li>• PowerBoost offers up to 200% output power for four seconds</li> <li>• DC OK contact and stand-by input</li> <li>• Clear operating status indication via LED</li> <li>• Up to 94% efficiency</li> <li>• Ambient operating temperature: -25 ... +70 °C (device start at -40 °C, type-tested)</li> <li>• Slim Design and Versatile Mounting Options</li> <li>• Pluggable CAGE CLAMP® connectors</li> <li>• Approvals: UL 508, UL 60950</li> <li>• LineMonitor for parameter setting and input/output monitoring<sup>a)</sup></li> </ul>
	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		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 <sup>a)</sup>	24 VDC (22.8 ... 28.8 V) / 10 A	2/3 x 340 ... 550 VAC 480 ... 780 VDC	57 x 179 x 163	
	787-852 <sup>a)</sup>	24 VDC (22.8 ... 28.8 V) / 20 A		77 x 179 x 171	
	787-854 <sup>a)</sup>	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			
<b>EPSITRON® CLASSIC Power – Robust Power Supplies with Integrated TopBoost (Optional)</b>					
	787-1601 <sup>b)</sup>	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"> <li>• Slim design</li> <li>• Integrated TopBoost (787-16xx with ≥ 120 W)</li> <li>• DC OK signal/contact</li> <li>• Clear operating status indication via LED</li> <li>• Marking field for device identification</li> <li>• Up to 93% efficiency</li> <li>• Ambient operating temperature: -25 ... +70 °C (device start at -40 °C, type-tested)</li> <li>• Pluggable CAGE CLAMP® connectors</li> <li>• Approvals: UL 508, UL 60950, GL</li> <li>• Approval: EN 60335-1<sup>b)</sup></li> </ul>
	787-1611 <sup>b)</sup>	12 VDC (11.5 ... 14.5 V) / 4 A		45 x 107.5 x 90	
	787-1621 <sup>b)</sup>	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 <sup>b)</sup>	24 VDC (23 ... 28.5 V) / 1 A		22.5 x 107.5 x 90	
	787-1606 <sup>b)</sup>	24 VDC (23 ... 28.5 V) / 2 A		45 x 107.5 x 90	
	787-1616 <sup>b)</sup>	24 VDC (23 ... 28.5 V) / 4 A		52 x 121 x 90	
	787-1616/0000-1000 <sup>b)</sup>	24 VDC (23 ... 28.5 V) / 3.8 A LPS		52 x 121 x 90	
	787-1622 <sup>b)</sup>	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 <sup>b)</sup>	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			
<b>EPSITRON® ECO Power – Economical Power Supplies for Standard Applications</b>					
	787-712 <sup>d)</sup>	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"> <li>• Economical and robust metal housing</li> <li>• Clear operating status LED indication and optional DC OK contact</li> <li>• Up to 90% efficiency</li> <li>• Ambient operating temperature: -25 ... +70 °C</li> <li>• Approvals: UL 508, UL 60950</li> <li>• Approvals: ATEX/IEC Ex, Zone 2 or Class I Div. 2<sup>d)</sup></li> </ul>
	787-722 <sup>d)</sup>	24 VDC (22 ... 28 V) / 5 A		75 x 92 x 130	
	787-732 <sup>d)</sup>	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	2/3 x 360 ... 460 VAC	50 x 92 x 130	
	787-740	24 VDC (24 ... 28 V) / 10 A		65 x 130 x 130	
	787-2742	24 VDC (22 ... 28 V) / 20 A	2/3 x 340 ... 575 VAC 460 ... 800 VDC	80 x 170 x 130	
	787-2744	24 VDC (24 ... 28 V) / 40 A		140 x 170 x 130	
		787-1701	12 VDC (10 ... 14 V) / 2 A	1 x 90 ... 264 VAC 125 ... 375 VDC	
787-1711		12 VDC (10 ... 14 V) / 4 A	40 x 99 x 90		
787-1721		12 VDC (10 ... 14 V) / 8 A	60 x 99 x 130		
787-1702		24 VDC (22 ... 26 V) / 1.25 A	1 x 90 ... 264 VAC 125 ... 375 VDC	30 x 99 x 90	
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			
<b>EPSITRON® COMPACT Power – Compact, High-Performance Power Supplies</b>					
	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"> <li>• Compact, low-profile design</li> <li>• Ideal for decentralized applications</li> <li>• Clear operating status indication via LED</li> <li>• Up to 88% efficiency</li> <li>• Ambient operating temperature: -25 ... +60 °C (device start at -40 °C, type-tested)</li> <li>• Overhead mounting permitted</li> <li>• Approvals: UL 508, UL 60950, GL</li> </ul>
	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	1 x 90 ... 264 VAC 125 ... 375 VDC	72 x 55 x 89	<ul style="list-style-type: none"> <li>• Budget-friendly for basic applications</li> <li>• Mounting on DIN-rail and flexible installation via screw-mount clips</li> <li>• Removable front plate improves cooling in alternative mounting positions</li> <li>• Up to 90% efficiency</li> <li>• Ambient operating temperature: -25 ... +70 °C</li> <li>• Approvals: UL 508, UL 60950, EN 60335-1</li> </ul>
	787-1202	24 VDC (22 ... 26 V) / 1.3 A		54 x 56 x 90	
	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			
<b>EPSITRON® IP67 Power – Reliable Power Supply for Distributed Automation</b>					
	787-6716	24 VDC / 4 A	1 x 90 ... 264 VAC	111 x 54 x 141	<ul style="list-style-type: none"> <li>• IP67 protection</li> <li>• PowerBoost offers up 150% output power for four seconds</li> <li>• Efficiency: 92.3%</li> <li>• Ambient operating temperature: -40 ... +85 °C</li> </ul>
<b>EPSITRON® – Safety Transformers – Robust and Low-Profile DIN-Rail-Mount Modules</b>					
	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"> <li>• Rugged housing for easy and vibration-proof DIN-rail mounting</li> <li>• Ambient operating temperature: -25 ... +55 °C</li> <li>• Approval: UL 5085</li> </ul>
	787-976	12/24 VAC (0 ... 24 V) / 63 VA		144 x 54 x 90	
<b>EPSITRON® Fan Control</b>					
	787-914	22 VDC (12 ... 22 V) / 1 A	1 x 90 ... 264 V 130 ... 373 VDC	45 x 35 x 138	<ul style="list-style-type: none"> <li>• Adjustable output voltage: 12 ... 22 VDC, front side by tool and analog signal 0 ... 10 V</li> <li>• Easy mounting on DIN-rails</li> <li>• Flexible installation via screw-mount clips</li> </ul>
<b>EPSITRON® DC/DC Converters – Dependable Power Supply for Specialty Voltages</b>					
	787-2801	5 VDC / 0.5 A	24 VDC (10 ... 30 V)	6 x 97.8 x 94	<ul style="list-style-type: none"> <li>• Full commoning of the supply voltage with both 857 and 2857 Series</li> <li>• DC OK contact</li> <li>• Approvals: UL 508, UL 60950</li> </ul>
	787-2802	10 VDC / 0.5 A	24 VDC (15 ... 30 V)	6 x 97.8 x 94	
	787-2803	24 VDC / 0.5 A	48 VDC (40 ... 55 V)	6 x 97.8 x 94	
	787-2805	12 VDC / 0.5 A	24 VDC (15 ... 30 V)	6 x 97.8 x 94	
	787-2810	5 / 10 / 12 VDC, adjustable / 0.5 A	24 VDC (10 ... 30 V)	6 x 97.8 x 94	
	787-1014	24 VDC / 2 A	110 VDC (77 ... 140 V)	72 x 55 x 89	<ul style="list-style-type: none"> <li>• Electrically isolated output</li> <li>• Suitable for railway applications per EN 50155</li> <li>• Approvals: UL 508, UL 60950 (except 787-1015/0072-0000)</li> </ul>
	787-1014/0072-0000	24 VDC / 2 A	72 VDC (40 ... 90 V)	72 x 55 x 89	
	787-1015/0072-0000	12 VDC / 4 A	72 VDC (40 ... 90 V)	72 x 55 x 89	
	787-1650	12 VDC / 4 A	24 VDC (18 ... 60 V)	45 x 107 x 90	

# EPSITRON® System Modules

	Item Number	Output	Input Voltage Range	Dimensions in mm (W x H x L)	Functional Description	
<b>EPSITRON® Uninterruptible Power Supplies (UPS) – Reliably Compensate for Long Power Outages</b>						
	787-870	24 VDC (20 ... 25.5 V) / 10 A	24 VDC	40 x 163 x 163	<ul style="list-style-type: none"> <li>Slim UPS charger and controller with convenient visualization and configuration</li> <li>Optional power supply with integrated UPS charger and controller (787-1675)</li> <li>Battery control technology for predictive maintenance that extends battery life</li> <li>Pluggable CAGE CLAMP® connectors</li> <li>Approvals: UL 508, UL 60950</li> </ul>	
	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		
<b>EPSITRON® Capacitive Buffer Modules – Short-Term Power Reserves for Mains Failures and Load Changes</b>						
	787-880	24 VDC (20.4 ... 24 V) / 10 A	24 VDC	57 x 179 x 163	<ul style="list-style-type: none"> <li>Maintenance-free, high-energy gold caps</li> <li>Integrated diodes for decoupling buffered loads from unbuffered loads</li> <li>Parallel connections possible</li> <li>Indication via LED and contact</li> <li>Configurable switch-on threshold</li> <li>Ambient operating temperature: -10 ... +50 °C</li> <li>Pluggable CAGE CLAMP® connectors</li> <li>Approval: UL 508</li> </ul>	
	787-881	24 VDC (20.4 ... 24 V) / 20 A		57 x 179 x 181		
<b>EPSITRON® Redundancy Modules – Reliably Increase Power Supply Stability</b>						
	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"> <li>Integrated power diodes or MOSFET (787-1685 only) with overload capability</li> <li>Solutions for 12/24/48 VDC supply, up to 76 A</li> <li>Parallel connections possible, reverse voltage protection</li> <li>Clear operating status LED indication and optional signal contact</li> <li>Ambient operating temperature: -25 ... +70 °C (787-1685: cold start at -40 °C)</li> <li>Approvals: UL 508, UL 60950</li> </ul>	
	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		
<b>EPSITRON® Electronic Circuit Breakers – Compact and Precise ECBs for DC Circuits</b>						
	787-2861/0100-0000	1 x 24 VDC / 1 A	24 VDC	6 x 97.8 x 94	<ul style="list-style-type: none"> <li>One channel with preset nominal current</li> <li>Two, four or eight channels with a six-stage adjustable nominal current</li> <li>Slim design, communication capability</li> <li>High switch-on capacity reduces false tripping</li> <li>Ambient operating temperature: -25 ... +70 °C</li> <li>Approvals: UL 508, UL 2367, UL 61010, GL</li> <li>Optional active current limitation <sup>d)</sup></li> <li>With potential-free signal contact <sup>e)</sup></li> <li>Specialty configuration <sup>f)</sup></li> <li>Communication via IO-Link protocol <sup>g)</sup></li> </ul>	
	787-2861/0200-0000	1 x 24 VDC / 2 A		6 x 97.8 x 94		
	787-2861/0400-0000	1 x 24 VDC / 4 A		6 x 97.8 x 94		
	787-2861/0600-0000	1 x 24 VDC / 6 A		6 x 97.8 x 94		
	787-2861/0800-0000	1 x 24 VDC / 8 A		6 x 97.8 x 94		
	787-2861/0108-0020	1 x 24 VDC / 1 ... 8 A		6 x 97.8 x 94		
	787-1662	2 x 24 VDC / 2 ... 10 A		45 x 115.5 x 90		
	787-1662/0106-0000	2 x 24 VDC / 1 ... 6 A		45 x 115.5 x 90		
	787-1662/0000-0054 <sup>e, f)</sup>	2 x 24 VDC / 2 ... 10 A		45 x 115.5 x 90		
	787-1662/0004-1000 <sup>d)</sup>	2 x 24 VDC / 3.8 A		45 x 115.5 x 90		
	787-1662/0006-1000 <sup>d)</sup>	2 x 24 VDC / 0.5 ... 6 A		45 x 115.5 x 90		
	787-1664	4 x 24 VDC / 2 ... 10 A		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 <sup>f)</sup>	4 x 24 VDC / 2 ... 10 A		45 x 115.5 x 90		
	787-1664/0000-0054 <sup>e, f)</sup>	4 x 24 VDC / 2 ... 10 A		45 x 115.5 x 90		
	787-1664/0000-0080 <sup>e)</sup>	4 x 24 VDC / 2 ... 10 A		45 x 115.5 x 90		
	787-1664/0004-1000 <sup>d)</sup>	4 x 24 VDC / 3.8 A		45 x 115.5 x 90		
	787-1664/0006-1000 <sup>d)</sup>	4 x 24 VDC / 0.5 ... 6 A		45 x 115.5 x 90		
	787-1664/0212-1000 <sup>d)</sup>	4 x 24 VDC / 2 ... 12 A		45 x 115.5 x 90		
	787-1664/0006-1054 <sup>d, e, f)</sup>	4 x 24 VDC / 0.5 ... 6 A		45 x 115.5 x 90		
	787-1668	8 x 24 VDC / 2 ... 10 A		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 <sup>f)</sup>	8 x 24 VDC / 2 ... 10 A		42 x 142.5 x 127		
	787-1668/0000-0054 <sup>e, f)</sup>	8 x 24 VDC / 2 ... 10 A		42 x 142.5 x 127		
	787-1668/0000-0080 <sup>e)</sup>	8 x 24 VDC / 2 ... 10 A		42 x 142.5 x 127		
	787-1668/0006-1000 <sup>d)</sup>	8 x 24 VDC / 0.5 ... 6 A		42 x 142.5 x 127		
	787-1668/0006-1054 <sup>d, e, f)</sup>	8 x 24 VDC / 0.5 ... 6 A		42 x 142.5 x 127		
	787-1664/0000-0100	4 x 12 VDC / 2 ... 10 A		12 VDC		45 x 115.5 x 90
	787-1662/0000-0250 <sup>e)</sup>	2 x 48 VDC / 2 ... 10 A		48 VDC		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 <sup>e)</sup>	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 <sup>e)</sup>	8 x 48 VDC / 2 ... 10 A				42 x 142.5 x 127

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## EPSITRON® Advanced Power Supply System

