









# 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
<b>EPSITRON® PRO Power – Professional and Efficient Power Supplies with Extra Power</b>					
	787-819	12 VDC (11-18 V) / 6 A	1/2 x 85-264 VAC 120-350 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 % of output power for four seconds</li> <li>• DC OK contact and stand-by input</li> <li>• Clear operating status indication via LED</li> <li>• LineMonitor (select models) provides configuration and monitoring of signal inputs and outputs</li> <li>• Up to 94 % efficiency</li> <li>• Ambient operating temperature: -25 °C ... +70 °C (device start at -40 °C, type-tested)</li> <li>• Slim design and versatile mounting options</li> <li>• Pluggable CAGE CLAMP® connection technology</li> <li>• UL 508, UL 60950 approvals</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	2/3 x 340-550 VAC 480-780 VDC	
	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	24 VDC (22.8-28.8 V) / 10 A	57 x 179 x 163		
	787-852	24 VDC (22.8-28.8 V) / 20 A	77 x 179 x 171		
	787-854	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>a)</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>• Efficiency &gt; 82 %</li> <li>• Ambient operating temperature: -25 °C ... +70 °C (device start at -40 °C, type-tested)</li> <li>• Pluggable CAGE CLAMP® connection technology</li> <li>• UL 508, UL 60950, GL approvals</li> <li>• <sup>a)</sup>EN 60335-1 approval</li> </ul>
	787-1611 <sup>a)</sup>	12 VDC (11.5-14.5 V) / 4 A		45 x 107.5 x 90	
	787-1621 <sup>a)</sup>	12 VDC (11.5-14.5 V) / 7 A		52 x 119 x 90	
	787-1631	12 VDC (11.5-14.5 V) / 15 A		55 x 172 x 127	
	787-1602 <sup>a)</sup>	24 VDC (23-28.5 V) / 1 A		22.5 x 107.5 x 90	
	787-1606 <sup>a)</sup>	24 VDC (23-28.5 V) / 2 A		45 x 107.5 x 90	
	787-1616 <sup>a)</sup>	24 VDC (23-28.5 V) / 4 A		52 x 119 x 90	
	787-1616/0000-1000 <sup>a)</sup>	24 VDC (23-28.5 V) / 3.8 A LPS		52 x 119 x 90	
	787-1622 <sup>a)</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 170 x 127	
	787-1623 <sup>a)</sup>	48 VDC (40-56 V) / 2 A		52 x 119 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 170 x 127			
<b>EPSITRON® ECO Power – Economical Power Supplies for Standard Applications</b>					
	787-712 <sup>b)</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>• Economically priced and robustly packaged in a 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 °C ... +70 °C</li> <li>• Overhead mounting possible</li> <li>• UL 508, UL 60950 approvals</li> <li>• <sup>b)</sup>ATEX/IEC Ex, Zone 2 or Class I Div. approval</li> <li>• <sup>c)</sup>Tool-free connection technology</li> </ul>
	787-722 <sup>b)</sup>	24 VDC (22-28 V) / 5 A		75 x 92 x 130	
	787-732 <sup>b)</sup>	24 VDC (22-28 V) / 10 A		110 x 92 x 130	
	787-734 <sup>c)</sup>	24 VDC (22-28 V) / 20 A		115 x 144 x 136	
	787-736 <sup>c)</sup>	24 VDC (22-28 V) / 40 A		170 x 154 x 136	
	787-738 <sup>c)</sup>	24 VDC (22-28 V) / 6.25 A		50 x 92 x 136	
	787-740 <sup>c)</sup>	24 VDC (22-28 V) / 12.5 A		65 x 130 x 136	
	787-742 <sup>c)</sup>	24 VDC (22-28 V) / 20 A		110 x 130 x 136	
<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 °C ... +60 °C (device start at -40 °C, type-tested)</li> <li>• Overhead mounting permitted</li> <li>• UL 508, UL 60950, GL, EN 60335-1 approvals</li> </ul>
	787-1011	12 VDC (10.8-15.5 V) / 4 A		72 x 55 x 89	
	787-1021	12 VDC (10.8-15.5 V) / 6.5 A		90 x 55 x 89	
	787-1017	18 VDC (15-28 V) / 2.5 A		90 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	
	787-1020	5 VDC (4.5-8.5 V) / 5.5 A		72 x 55 x 89	
	787-1014	24 VDC / 2 A		77-140 VDC	

# 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) – Reliable Compensation, Even for Longer 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® connection technology</li> <li>• UL 508, UL 60950 approvals</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	
	787-876	24 VDC / max. 7.5 A / 1.2 Ah		55 x 126.5 x 153	
	787-871	24 VDC / max. 20 A / 3.2 Ah		76.2 x 175.5 x 168	
	787-872	24 VDC / max. 21 A / 7 Ah		86 x 217.5 x 236	
	787-873	24 VDC / max. 21 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 °C ... +50°C</li> <li>• Pluggable CAGE CLAMP® connection technology</li> <li>• UL 508 approval</li> </ul>
	787-881	24 VDC (20.4–24 V) / 20 A		57 x 179 x 181	
<b>EPSITRON® Redundancy Modules – Reliably Increase a Power Supply's Stability</b>					
	787-885	24 VDC / 20 A, max. 40 A	2 x 24 VDC	40 x 163 x 181	<ul style="list-style-type: none"> <li>• Integrated power diodes 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 °C ... +70°C</li> <li>• UL 508, UL 60950 approvals</li> </ul>
	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 150 x 130	
<b>EPSITRON® ELECTRONIC CIRCUIT BREAKERS (ECBs) – Compact and Precise ECBs for Direct Voltage Circuits</b>					
	787-860	4 x 24 VDC / 1–6 A	24 VDC	40 x 163 x 171	<ul style="list-style-type: none"> <li>• Two, four or eight channels with 6-stage adjustable nominal current</li> <li>• Slim design, communication capability</li> <li>• High switch-on capacity reduces false tripping</li> <li>• Optional active current limitation</li> <li>• Ambient operating temperature: -25 °C ... +70°C</li> <li>• Pluggable CAGE CLAMP® connection technology</li> <li>• UL 508 approval</li> <li>• <sup>d1</sup>UL 2367, GL approvals</li> </ul>
	787-861	4 x 24 VDC / 1–8 A		40 x 163 x 171	
	787-862	4 x 24 VDC / 1–10 A		40 x 163 x 171	
	787-1662 <sup>d1</sup>	2 x 24 VDC / 2–10 A		45 x 115.5 x 90	
	787-1662/0106-0000 <sup>d1</sup>	2 x 24 VDC / 1–6 A		45 x 115.5 x 90	
	787-1662/0006-1000 <sup>d1</sup>	2 x 24 VDC / 0.5–6 A		45 x 115.5 x 90	
	787-1664 <sup>d1</sup>	4 x 24 VDC / 2–10 A		45 x 115.5 x 90	
	787-1664/0106-0000 <sup>d1</sup>	4 x 24 VDC / 1–6 A		45 x 115.5 x 90	
	787-1664/0006-1000 <sup>d1</sup>	4 x 24 VDC / 0.5–6 A		52 x 119 x 90	
	787-1668 <sup>d1</sup>	8 x 24 VDC / 2–10 A		42 x 142.5 x 127	
	787-1668/0106-0000 <sup>d1</sup>	8 x 24 VDC / 1–6 A		42 x 142.5 x 127	
	787-1668/0006-1000 <sup>d1</sup>	8 x 24 VDC / 0.5–6 A		42 x 142.5 x 127	

WAGO Kontakttechnik GmbH & Co. KG Hansastr. 27 32423 Minden Postfach 2880 32385 Minden Phone: +49 (0)571/887-0 Fax: +49 (0)571/887-169 Email: info@wago.com www.wago.com

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