

EPSITRON® – ADVANCED POWER SUPPLY SYSTEM

EPSITRON® POWER SUPPLIES



ECO Power

EPSITRON® ECO POWER

Single- and three-phase power supplies with a wide input voltage range and 24 V nominal output



COMPACT Power

EPSITRON® COMPACT POWER

Low-profile, single-phase power supplies with a wide input voltage range, as well as nominal output voltages of 5 V, 12 V, 18 V and 24 V



CLASSIC Power

EPSITRON® CLASSIC POWER

Single-phase power supplies with a wide input voltage range and 12 V, 24 V or 48 V nominal output



PRO Power

EPSITRON® PRO POWER

Single- and three-phase power supplies with a wide input voltage range, 12 V, 24 V or 48 V nominal output, PowerBoost, TopBoost and optional LineMonitor

EPSITRON® SYSTEM MODULES



7



ECBs

EPSITRON® ELECTRONIC CIRCUIT BREAKERS (ECBs)

Configurable, 2-, 4- or 8-channel ECBs feature integrated current and voltage monitoring.



UPS

EPSITRON® UNINTERRUPTIBLE POWER SUPPLIES (UPS)

UPS charger, controller and connected battery modules reliably endure longer power failures and feature integrated battery control technology.



Capacitive Buffer Modules

EPSITRON® CAPACITIVE BUFFER MODULES

Maintenance-free, capacitive buffer modules ensure seamless operation during short voltage fluctuations.



Redundancy Modules

EPSITRON® REDUNDANCY MODULES

Redundancy modules safeguard two power supplies that are parallel-connected, providing system redundancy or additional power.

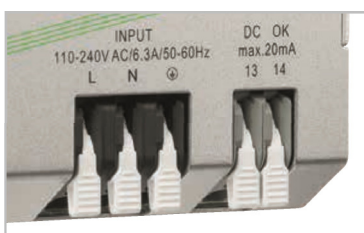
EPSITRON® Power Supplies **ECO Power, Single- and Three-Phase** **787 Series**

	Input Nominal Voltage	Output Nominal Voltage	Output Current	Efficiency (230 VAC, Nominal Load)	Dimensions (W x H x L in mm)*	Item No.
	1 x 100 ... 240 VAC	24 VDC	1.25 A	88 % (typ.)	30 x 99 x 90	787-1702
			2.5 A	89 % (typ.)	40 x 99 x 90	787-1712
			5 A	89 % (typ.)	60 x 99 x 130	787-1722
			10 A	89 % (typ.)	70 x 99 x 165	787-1732
	1 x 110 ... 240 VAC	24 VDC	2.5 A	86 % (typ.)	50 x 92 x 130	787-712
			5 A	86 % (typ.)	75 x 92 x 130	787-722
			10 A	86 % (typ.)	110 x 92 x 130	787-732
			20 A	90 % (typ.)	115 x 144 x 130	787-734
			40 A	90 % (typ.)	170 x 153 x 130	787-736
	3 x (2 x) 400 ... 500 VAC	24 VDC	6.25 A	87 % (typ.)	50 x 92 x 130	787-738
			10 A	89 % (typ.)	65 x 130 x 130	787-740
			20 A	90 % (typ.)	110 x 153 x 130	787-742



Clear Indication

- Green LED indicates output voltage availability
- Red LED indicates an overcurrent or short circuit
- Easy commissioning and maintenance



Fast Wiring

- Lever-actuated terminal strips (2706 or 2716 Series)
- Convenient, tool-free wiring
- Integrated test slot simplifies testing by eliminating conductor removal



Easy Grounding

- Integrated, third negative terminal on the output side**
- Direct connection to the reference ground, which is frequently used in machines and equipment

*Height (H) from upper-edge of DIN-35 rail

**only 787-734 ... -742

EPSITRON® Power Supplies

COMPACT Power, Single-Phase

787 Series

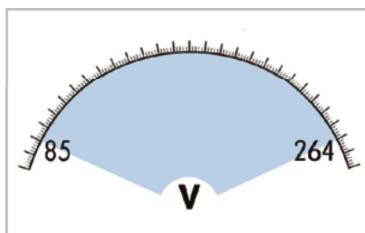
	Input Nominal Voltage	Output Nominal Voltage	Output Current	Efficiency	Dimensions (W x H x L in mm) *	Item No.
	1 x 100 ... 240 VAC	5 VDC	5.5 A at 5 VDC	75 % (typ.)	72 x 55 x 89	787-1020
	1 x 100 ... 240 VAC	12 VDC	2 A at 12 VDC / 0.75 A at 18 VDC	80 % (typ.)	54 x 55 x 89	787-1001
			4 A at 12 VDC	85 % (typ.)	72 x 55 x 89	787-1011
			6.5 A at 12 VDC	87 % (typ.)	90 x 55 x 89	787-1021
	1 x 100 ... 240 VAC	18 VDC	2.5 A at 18 VDC / 2.3 A at 24 VDC; 55 W (max.)	83 % (typ.) at 18 VDC / 2.5 A; 85 % (typ.) at 24 VDC / 2.3 A	72 x 55 x 89	787-1017
	1 x 100 ... 240 VAC	24 VDC	1.3 A at 24 VDC	82 % (typ.)	54 x 55 x 89	787-1002
			2.5 A at 24 VDC	88 % (typ.)	72 x 55 x 89	787-1012
			4 A at 24 VDC	88 % (typ.)	90 x 55 x 89	787-1022

7



Clear Indication

- Status indication via green LED
- Current operating status can be displayed quickly



Supply Tolerance

- Single-phase, wide input voltage range
- High tolerance to voltage fluctuations within a power grid ensures a high level of operational reliability

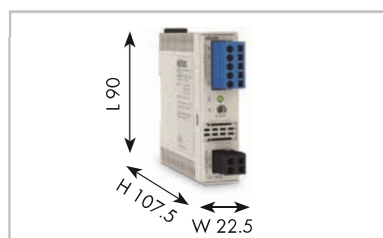


Overhead Mounting

- Any type of mounting position is possible with reduced output power
- Units can even be mounted overhead (e.g., in ceiling-mounted distribution boxes)

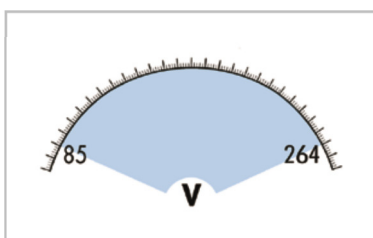
EPSITRON® Power Supplies **CLASSIC Power, Single-Phase** **787 Series**

	Input Nominal Voltage	Output Nominal Voltage	Output Current	Efficiency	Dimensions (W x H x L in mm)*	Item No.
	1 x 100 ... 240 VAC	12 VDC	2 A	82 % (typ.)	22.5 x 107.5 x 90	787-1601
			4 A	86 % (typ.)	45 x 107.5 x 90	787-1611
			7 A	86 % (typ.)	52 x 121 x 90	787-1621
			15 A	90 % (typ.)	55 x 172 x 127	787-1631
	1 x 100 ... 240 VAC	24 VDC	1 A	86 % (typ.)	22.5 x 107.5 x 90	787-1602
			2 A	89 % (typ.)	45 x 107.5 x 90	787-1606
			4 A	89 % (typ.)	52 x 121 x 90	787-1616
			5 A	89 % (typ.)	42 x 137.5 x 127	787-1622
			10 A	91 % (typ.)	55 x 172 x 127	787-1632



Slim Design

- Save valuable cabinet space



Universal Supply

- Wide input voltage range
- Can be operated worldwide
- High level of operational reliability



Integrated TopBoost

- Reliably trigger of the secondary-side fusing via miniature circuit breakers (≥ 120 W output power)

*Height (H) from upper-edge of DIN-35 rail

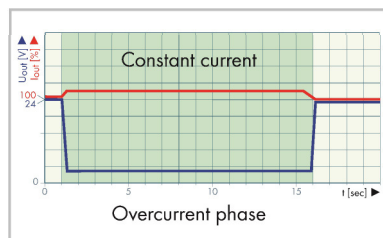
EPSITRON® Power Supplies

CLASSIC Power, Single-, Two- and Three-Phase

787 Series

	Input Nominal Voltage	Output Nominal Voltage	Output Current	Efficiency	Dimensions (W x H x L in mm)*	Item No.
	1 x 100 ... 240 VAC	24 VDC	20 A	92 % (typ.)	95 x 177 x 127	787-1634
			3.8 A LPS / NEC Class 2	87 % (typ.)	52 x 121 x 90	787-1616/000-1000
	1 x 100 ... 240 VAC	48 VDC	2 A	86 % (typ.)	55 x 121 x 90	787-1623
			5 A	92 % (typ.)	55 x 172 x 127	787-1633
			10 A	93 % (typ.)	95 x 177 x 127	787-1635
	2 x 200 ... 500 VAC	24 VDC	5 A	89 % (typ.)	42 x 143.5 x 127	787-1628
	3 x 400 ... 500 VAC		10 A	90 % (typ.)	55 x 171 x 127	787-1640
			20 A	92 % (typ.)	80 x 178 x 127	787-1642
			40 A	92 % (typ.)	126 x 196 x 127	787-1644

7



High Load-Carrying Capacity

- Constant current characteristic under overload conditions
- 110 % output current with lowered output voltage – even during a short circuit
- High capacitive loads can be reliably started



Clear and Easy to Connect

- CAGE CLAMP® connection technology – vibration-proof, fast, maintenance-free
- Colored and marked female connectors can be pre-assembled – 100 % protected against mismatching