



# Powerware

## Powerware 9170+ Uninterruptible Power System

Product Focus

3 - 18 kVA modular build for easy scalability



### Snapshot

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Power Rating:	3 - 18 kVA
Voltage:	220-240 Vac
Frequency:	50/60 Hz
Topology:	Series 9 (Double conversion on-line)

### Features

- Virtually eliminates downtime through N+X redundancy
- Optimal scalability through power and/or battery modules
- ABM™ prolongs battery life by 50%
- Hot-swappable modules

Built for worldwide use, the Powerware 9170+ is a scalable, modular, flexible solution that combines the highest level of reliability with the lowest cost of ownership in the 3 - 18 kVA power range. It enables you to build a power solution specific to your current needs, with room for expansion later on. It also features an expandable level of redundancy and increased battery times through plug-and-play UPS and battery modules. The PW9170+'s high efficiency power-saver mode increases unit efficiency up to 97%. You never need to compromise reliability for efficiency.

### Typical Applications

- Internet data centres
- Server farms
- Networks
- Telecommunication applications
- Internet service providers

### Options

- Rackmount kit
- Castors
- Wall-mounted maintenance bypass cabinets
- ConnectUPS-BD Web/SNMP card
- AS400BD relay card
- PowerVision software

# Technical Specifications

<b>POWERWARE 9170+</b>						
Rating	3 kVA	6 kVA	9 kVA	12 kVA	15 kVA	18 kVA
Part number	9170+C030	9170+C060	9170+C060	9170+C090	9170+C120	9170+C120
	ASY-0674;	2xASY-0674;	3xASY-0674;	4xASY-0674;	5xASY-0674;	6xASY-0674;
	2xASY-0529	4xASY-0529	6xASY-0529	8xASY-0529	10xASY-0529	12xASY-0529
Capacity (kVA/kilowatts)	3 / 2.1	6 / 4.2	9 / 6.3	12 / 8.4	15 / 10.5	18 / 12.6
Dimensions WxDxH (mm)	432x645x453	432x645x800	432x645x800	610x724x1194	610x724x1194	610x724x1542
Weight (kg)	101	163	206	282	325	388
Input connection	Hardwired	Hardwired	Hardwired	Hardwired	Hardwired	Hardwired
Output connection	Hardwired	Hardwired	Hardwired	Hardwired	Hardwired	Hardwired
Typical runtime (Full load) (Half load)	8-10 min 20-25 min	8-10 min 20-25 min	8-10 min 20-25 min	8-10 min 20-25 min	8-10 min 20-25 min	8-10 min 20-25 min
Operational						
Nominal input voltage (Vac)	220/230/240 Vac single phase					
Input voltage range	176 to 276 Vac					
Operating frequency	50/60Hz (±3Hz)					
Input Power factor	0.98					
Input current distortion	3% THD					
Nominal Output voltage	220/230/240 VAC single phase					
Output voltage regulation	3% static					
Overload capacity	150% for 10 sec (online), 300% for 12 cycles (bypass)					
Efficiency	88% with rated non-linear load					
User interface						
LCD-display	Programmable 4 x 20 character backlit LCD, multiple languages (English, French, Spanish, German)					
LED	UPS on, on battery, alarm					
Standard communication ports	2x communication adaptor slots (empty) RS-232 serial DB-9 port plus contact closures 1 x emergency power off input					
Optional	External battery cabinets; Web/SNMP adaptor; AS/400 relay adaptor; N+X redundancy; rack mounting kit; floor anchoring kit; maintenance bypass module, high capacity charger module					
Environmental						
Operating temperature	0°C to +40°C					
Storage temperature	-20°C to +40°C					
Altitude	< 3050 m					
Audible noise at 1 metre	< 50 dB					
Certification						
Quality	ISO 9001					
Markings	CE / UL / CSA (cUL) / TUV /C-Tick					
Safety	EN 50091-1-1					
EMC	EN 55022, EN 50091-2, IEC 61000-3-2, IEC 61000-3-3, C-Tick					

This guide provides typical application information. Battery run times are approximate and may vary with equipment, configuration, battery age, temperature, etc. In the interests of continual product improvement all specifications are subject to change without notice.

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