



DIGITUS®

OnLine UPS system

Datasheet

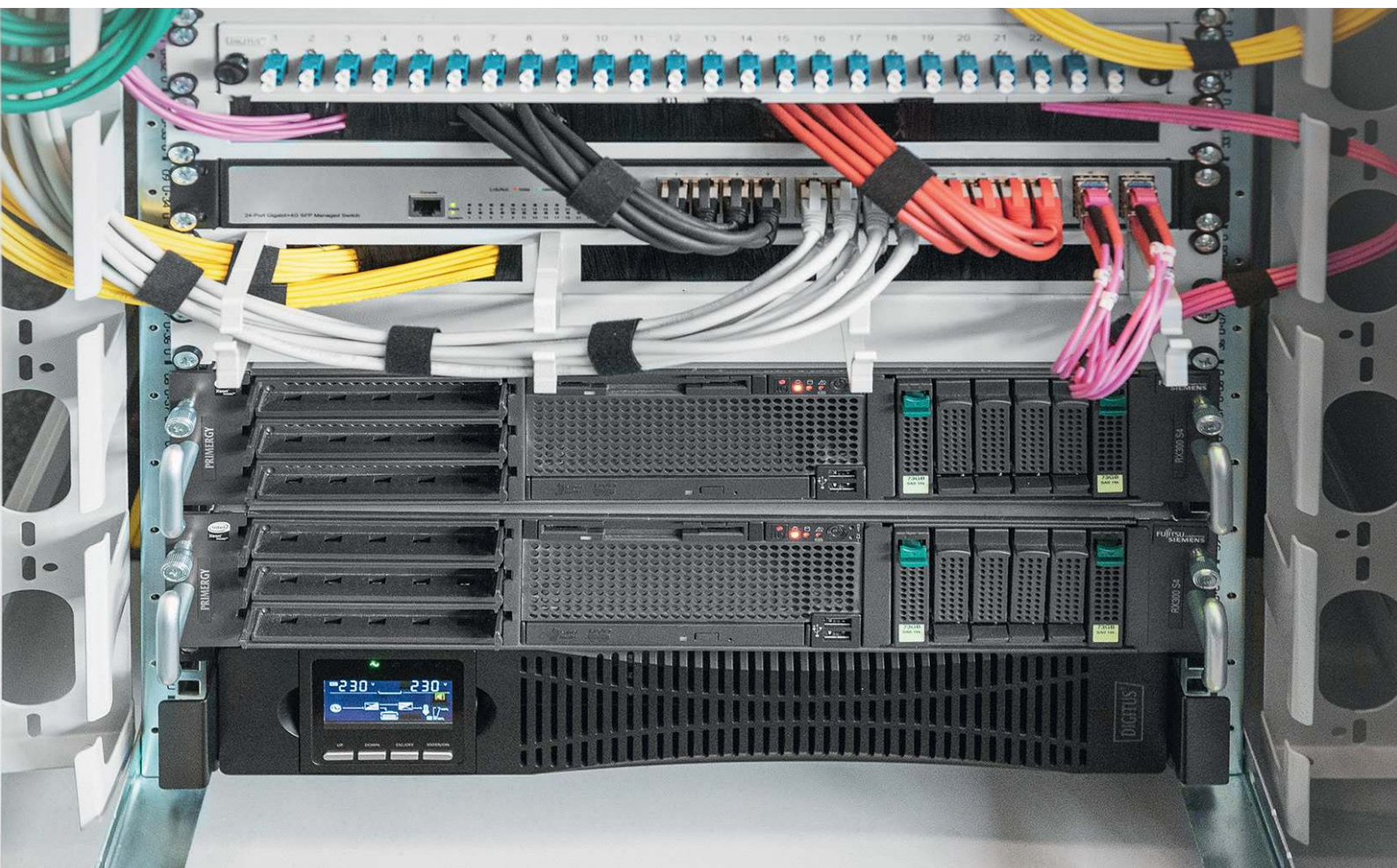
Product description

The DIGITUS® OnLine UPS is a true double-conversion UPS solution that offers first-class **power failure protection and continuous power generation** in a compact 2 U housing. Switching to battery operation is uninterrupted. It protects consumers from all mains disturbances due to complete and partial power failures, voltage drops, overvoltages or frequency deviations.

The UPS can be operated as a 19" unit in a rack or also as a **tower solution**. The single-phase UPS offers high energy efficiency and is ideal for protecting critical infrastructure in both centralised and edge network applications.

Expandable runtime options with matching external battery modules provide additional flexibility when extended uninterruptible power supply is required.

The user-friendly **LCD display** and network management capability, including configuration, make this system easy to install and maintain.



Benefits

- **High power factor (1.0)**, a higher effective power allows more connected loads, this saves space in the rack and reduces costs.
- **High efficiency** in online mode, a higher efficiency level means optimised energy management and lower heat dissipation, resulting in energy savings and improved reliability.
- **User-friendly LCD screen** provides UPS status insight for easy installation, configuration and operation.
- **Compact rack/tower design** optimises rack space and allows flexible installation.
- Minimal downtime of the unit due to **hot-swap capable**, user-replaceable battery modules, which can be replaced during operation.
- **External battery modules** allow the runtime to be the running time.
- With individually **controllable output sockets**, you can manage the power supply of individual devices without affecting the operation of other critical network devices.
- Various communication interfaces (RS232/ USB, parallel port, SNMP slot) enable **remote monitoring** of the system.
- **Automatic battery self-test** and fan speed control increase the service life of the components.
- The **REPO (Remote Emergency Power Off)** function switches off the UPS in case of an emergency. When an emergency occurs, the REPO switch turns off the rectifier and inverter and immediately stops power to the load. The UPS stops charging and discharging the battery.



Technical features

- Online double conversion system (VFI-SS-111)
- Input: socket IEC60320 C14, 208/220/230/240 Vac
- Output: 8 x IEC60320 C13, max. 10A per socket
- System power rating: 1500 VA / 1500 W, power factor 1.0
- AC-AC (online VFI) efficiency: 93 %, ECO mode efficiency: 98 %.
- Replaceable internal battery pack during operation.
- Battery: valve-regulated, non-spillable lead-acid battery.
- Battery capacity: 3 x 12V x 9.0 Ah
- Full load run time: 4 min; half load run time: 12 min
- Charge: 4 hours to 90% capacity after fully discharged
- Network connection: Optional SNMP/Webcard (part number DN-170100) allows remote monitoring of the UPS
- Local communication ports: USB, RS-232 (serial), SNMP card (optional), relay card (optional)
- Emergency power-off (EPO) contact for UPS shutdown in case of emergency
- Maximum operating temperature: 0 - 40 °C
- Storage temperature: -25 - 55 °C
- Relative humidity: 20 - 90% non-condensing
- Operating altitude: < 1500 m
- Product dimensions WxDxH (mm): 440 (19") x 460 x 86.5 (2U)
- Product weight: 15,5 kg
- Shipping dimensions WxDxH (mm): 555 x 595 x 202
- Shipping weight: 20,2 kg
- Safety standards: IEC/EN62040-1, IEC/EN60950-1
- EMC standards: IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8
- Approval: CE declaration
- Scope of delivery: UPS unit, feet for tower installation, UPS manual, UPS QSG, UPS software license, USB cable, mains cable (1.8m protective contact socket (type 7/4) to IEC60320 socket C14), IEC C13 connection cable, 19" installation brackets
- Installation: Desktop, Rack
- Plug: IEC 60320 C14 inlet
- Power: 1500VA – 3000VA
- Technology: Online double conversion
- Inch form factor (IEC 60297): 482.6 mm (19")

Scope of delivery

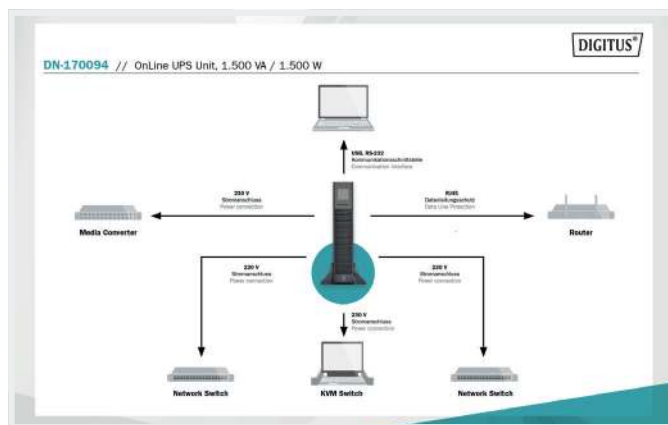
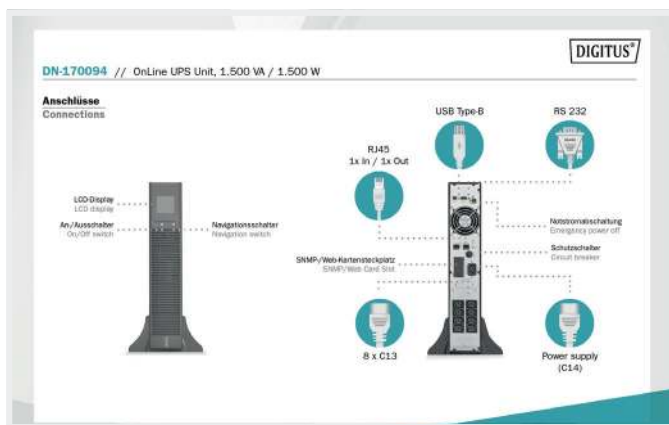
- 1 x OnLine UPS system, 1500 VA / 1500 W
- 1 x UPS user manual
- 1 x USB connection cable 1.2 m
- 1 x Mains cable 1.8 m
- 1 x RS232 cable
- UPS software license
- 19" installation brackets
- Feet for tower installation

All information
also in our online
shop.



	DN-170093	DN-170094	DN-170095	DN-170096	DN-17106	DN-17107
General						
Rated power (VA/W)	1.000 / 1.000	1.500 / 1.500	2.000 / 2.000	3.000 / 3.000	6.000 / 6.000	10.000 / 10.000
Input						
Rated voltage	208, 220, 230, 240 Vac					
Voltage range without battery operation	110 Vac - 300 Vac (variable, depending on output load)					
Frequency	40-70 Hz; automatic recognition					
Input connector	IEC60320-C14	IEC60320-C14	IEC60320-C20	IEC60320-C20	Hardwired	Hardwired
Output						
Outputs	IEC60320-C13 x8				Hardwired	
Output-voltage	208/220/230/240Vac ±1%					
Waveform	pure sine wave					
Overload (power mode)	105-125% for 1min, 125-130% for 30s				105-110% for 10 min 110-130% for 1min >130% 200ms	
Efficiency AC mode / ECO mode	88% / 97%	92% / 97%	92% / 97%	92% / 97%	93,5% / 97%	
Battery						
Type	Sealed, maintenance-free, valve-regulated lead-acid battery					
Running time 100% load	1,5 Min		1,5 Min	1,5 Min		
Running time 50% load	9 Min		9 Min	9 Min		
+ 1 external battery module 100% load	12 Min		12 Min	12 Min	6 Min	2,5 Min
+ 1 external battery module 50% load	35 Min		35 Min	35 Min	15 Min	8 Min
Typical Charging time	4 hours recovery up to 90 % of capacity (internal batteries)					
Charging current	2 A	2 A	2 A	2 A	10 A	10 A
Management and communication						
LCD user interface	Yes					
External interfaces	USB, Serial, Emergency Power Off (EPO), Card slot (for optional SNMP / Relay card)					

	DN-170093	DN-170094	DN-170095	DN-170096	DN-17106	DN-17107
Management Software	Yes					
Environment						
Operating temperature/ storage temperature	0°C - 40°C / -25°C - 55°C					
Air humidity	20-90 % RH @ 0- 40°C (non-condensing)					
Operating height	1500 m					
Standards						
Electrical safety	EN 62040-1:2008+A1:2013					
EMC	EN 62040-2:2018, EN61000-3-2:2014, EN-61000-3-3:2013					
Further guide-lines	WEEE und ROHS2 REACH					
Accessories						
Battery modules	DN-170120				DN-170108	
Manual environment switch	DN-170130				DN-170131	
Relay card	DN-170100					
SNMP card	DN-170105					
Relay card	DN-170109					





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