EN

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.



Druckfehler, Irrtümer und technische Änderungen sind vorbehalten.
Printing errors, falsities and technical changes remain reserved.
ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Deutschland, info@assmann.com

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 capability**, user-replaceable battery modules, which can be replaced during operation.
- **External battery modules** enable an extended runtime to protect the critical loads
- 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.



Druckfehler, Irrtümer und technische Änderungen sind vorbehalten.
Printing errors, falsities and technical changes remain reserved.
ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Deutschland, info@assmann.com

Technical features

- Online double conversion system (VFI-SS-111)
- AC-AC (online VFI) efficiency: 93 %, ECO mode efficiency: 98 %.
- Replaceable internal battery pack during operation.
- Battery: valve-regulated, non-spillable lead-acid battery.
- 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
- Installation: Desktop, Rack
- Inch form factor (IEC 60297): 482.6 mm (19“)

Scope of delivery

- 1 x OnLine UPS system
- 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.



Druckfehler, Irrtümer und technische Änderungen sind vorbehalten.
Printing errors, falsities and technical changes remain reserved.
ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Deutschland, info@assmann.com

	DN-170093	DN-170094	DN-170095	DN-170096	DN-170106	DN-170107
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	2.3 Min	3.02 Min	3.05Min	3.08 Min	8.36 Min	4.4 Min
Running time 40% load	14.3 Min	14.1 Min	14.12 Min	14.15 Min	29.54 Min	12.07 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)					
Management Software	Yes					

Druckfehler, Irrtümer und technische Änderungen sind vorbehalten.
Printing errors, falsities and technical changes remain reserved.
ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Deutschland, info@assmann.com

	DN-170093	DN-170094	DN-170095	DN-170096	DN-170106	DN-170107
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 guidelines	WEEE und ROHS2 REACH					
Accessories						
Battery modules	DN-170120	DN-170121	DN-170122	DN-170123	DN-170108	
SNMP Card	DN-170100					
Rail-Kit	DN-170109					

Druckfehler, Irrtümer und technische Änderungen sind vorbehalten.
Printing errors, falsities and technical changes remain reserved.
ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Deutschland, info@assmann.com















Druckfehler, Irrtümer und technische Änderungen sind vorbehalten.
Printing errors, falsities and technical changes remain reserved.
ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Deutschland, info@assmann.com



DIGITUS®

ASSMANN germany

www.assmann.com

Mentioned brand names and logos are trademarks or registered trademarks of their respective owners. Design deviations from the illustrations, errors and technical changes are reserved. All information without guarantee. We assume no liability for printing errors. Delivery subject to change, only while stocks last. 01/2023

ASSMANN Electronic GmbH
Auf dem Schüffel 3, 58513 Lüdenscheid
Tel.: +49 (0)2351 554 0
www.assmann.com