

## Technical Specification

## HEAT0120.

Stand: 20.09.2018

Power Output	kVA	120
Power Output	kW	108
Voltage	V	380/400/415
Frequency	Hz	50/60
Type	Online Tower three-phase	



## Product Specification

UPS systems from HENKELHAUSEN ensure the uninterruptible, highly available and stable power supply of your sensitive infrastructure and devices at the highest technical level.

Quiet operation, high reliability and low maintenance characterize the HEA T series.

The Henkelhausen Tower systems are suitable for small and medium data centers, industrial applications, service cabinets, machine control systems and much more.

32 to 40 external batteries can be connected, which are then programmable via the 5.7-inch multifunction touch display.

Up to six tower units can be connected in parallel, the cable length between the systems can be up to 20 meters.

### Special features:

module Design

High frequency on-line double conversion with DPS control

HEA T models <40 kVA with integrated batteries available

6-fold parallel switchable

can be used as a frequency converter

extremely quiet

low maintenance

## Technology you can rely on

Henkelhausen designs, builds and installs UPS solutions of all sizes.

For usage in small offices up to the protection of industrial plants and data centers.

All systems consist of quality components and comply with the highest technical classification VFI-SS-111.

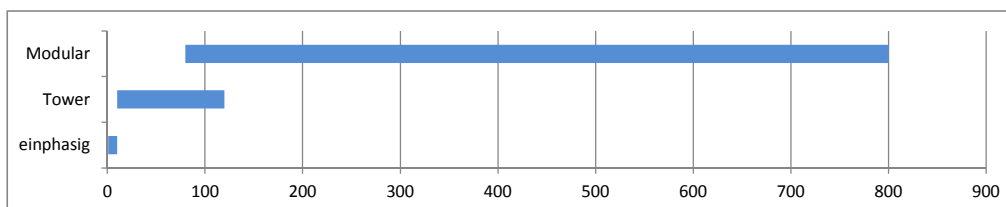
The Henkelhausen UPS product range includes one- and three-phase online UPS systems in the power range from 1 kVA to 2.400 kVA.

The systems are available in single, parallel or redundant design. In parallel construction, we realize services well over 2 MVA.

All our UPS Systems are optimally aligned to the current requirements for classification, efficiency and ease of maintenance.

They provide you with a reliable, uninterrupted power supply and protect your sensitive systems from voltage disturbances and fluctuations.

## Performance Range



## Other Products From Henkelhausen

### Combined Heat and Power from Henkelhausen

With a CHP from Henkelhausen you achieve the maximum yield. You benefit from the efficient conversion of natural gas, biogas, sewage gas and weak gases through combined heat and power. Our product range includes CHPs for every application as well as individual complete solutions for entire energy plant.

### Emergency Power Supply from Henkelhausen

An emergency power generator from Henkelhausen starts when the public network fails. It provides you with the power you need for your applications reliably and quick. As a full-service provider, we design and implement your system including the engine, control system and the entire periphery. You get a tailored, turnkey solution that ensures your power supply at all times.

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### Input

Nominal Frequency	Hz	50/60
Nominal Voltage	V	380/400/415
Voltage Tolerance	V	204-520
Total Harmonic Distortion THDI		<3%
Performance Factor		>99%

Input Frequency	Hz	40-70
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Connection Type	3-phase - 5 conductor system	
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### Output

		50/60Hz grid synchronous
Output Frequency	Hz	+0,1Hz battery operation
Nominal Voltage	V	380/400/415
Voltage Accuracy		+1%
Total Harmonic Distortion THDV		5% non linear load
Performance Factor		0,9
Overload Capacity WR		150% 1min.
Overload Capacity Bypass		500% 100ms.
Crest		3:1
Switch between Grid - Battery	ms	1

### Battery

DC Voltage	V	384-480 selectable
Number of Batteries		32-40 selectable
Charging Current	A	1-24A selectable
internal Batteries		no
external Batteries		required

### Unit

Operating Temperature	°C	0-40
Altitude		<1500
Sound Pressure at 1 Meter		<60

Efficiency	Online operation:<95%
	ECO operation:<98,5%
Parallel Usage	yes

### Maßangaben:

Module:		
Length	mm	0
Width	mm	0
Height	mm	0
Weight	kg	0

### USV-Cabinet

Length	mm	600
Width	mm	800
Height	mm	1680
Weight	kg	390

### Technical Circumstances:

These technical data refer to nominal conditions according to DIN ISO 3046-1

#### Nominal Conditions:

Air Pressure Total	100 kPa
Air Temperature	25 °C
Relative Humidity	30 %

Power variation at environmental conditions according to DIN ISO 3046-1

All statements made are subject to technical developments, compliance with the technical instructions of Henkelhausen GmbH & Co. KG and reflect the plant at new conditions without pollution.