

# JOVYTEC PE

## Product Leaflet

UPS systems JOVYTEC PE are available with power ranges of 1000 VA up to 3000 VA.

The JOVYTEC PE – E stands for evolution – is a further development of the JOVYTEC P series sold with far more than 100.000 units.

The UPS systems are in use worldwide on ships, in the industrial area, in IT and communication. The systems can be set for the most varied requirements via the 5-language menu. Versions with voltages of 115 V for the input and output as well as special designs on request.

Operation and interfaces have essentially remained the same. The systems are equipped with cold appliance outlets. A USB interface and a pre-fitting for relay or network cards are included. With this it is possible to upgrade the cards later. The emergency stop function and the surge protection for telecommunications remain.

In addition to power input and output cables, USB and R232 cables are included as well. The appropriate shutdown and monitoring software for the common operating systems are included.

New is the modular extension. There are 3 basic versions. UPS electronic with integrated battery,

a version without battery as well as a system without battery but - and that is unique on the UPS market - with 5 ampere charging current. Up to 5 battery cabinets can be connected in order to achieve a longer autonomy time. Via an overview the necessary configurations can be taken from a list. With the required load and the required autonomy time it is possible to select a suitable combination.

You will find further information like manuals, photos, 3D drawings, necessary certificates and technical/ commercial data sheets on our homepage.

### Types JOVYTEC PE floor unit

	Measurements W x H xD (mm)	Weight without/with battery (kg)	Autonomy times (min) at 100%-75%-50%-25% Last
JOVYTEC PE 1000	152x238x420	8,9 / 16,9	8-24-42-60
JOVYTEC PE 1500	152x238x500	11,6 / 21,6	7-22-34-54
JOVYTEC PE 2000	225x358x420	16,2 / 32,1	8-24-42-60
JOVYTEC PE 3000	225x358x425	13,2 / 34,4	4-13-25-33
		*other autonomy times are realized with additional battery cabinets.	

## TECHNICAL DATA

Power	1000 VA	1500 VA	2000 VA	3000 VA
Cos phi 0,9 ind.	900 W	1350 W	1800 W	2700 W

## INPUT

Efficiency	230 V standard, further efficiencies on demand input voltage range: 168 – 276 V (0-100 % load) 140 – 150 V (0-70 % load) 120 – 139 V (0-40 % load)			
Current	4 A	5,7 A	7,7 A	12 A
Phase	single phase			
Frequency	50 Hz / 60 Hz $\pm$ 3 Hz			
Efficiency	0,98			
Battery	maintenance free, sealed lead-acid battery			
Direct current link-voltage	36 V	48 V	72 V	96 V
Ext. Fuses	DO 1/10A			16 A

## OUTPUT

Voltage	230 V standard (208/220/240 V adjustable via panel further voltages on request			
Frequency	50 Hz / 60 HZ automatic adjustment by UPS system			
Efficiency	cos phi 0,9 ind.			
THD	<3 % at linear load			
Overload behaviour	106-120 % for 30 sec. – 121-150 % for 10 sec.			
Crest factor	3:1			

## SETTING

Noise level in approximately 1 m distance	<45 dB(A)	<45 dB(A)	<50 dB(A)	<50 dB(A)	<50 dB(A)
Temperature	0°C up to 40°C (15°C bis 25°C recommended, battery 20°C)				
Humidity	0% bis 95 % no condensation				
Communication	RS232-interface and USB				

## STANDARD EQUIPMENT

- Electronic manual emergency shutdown
- External battery connection for future extension
- Power factor correction for sinusoidally power consumption
- Acknowledgeable buzzer for alarm messages and power failures
- USB and RS232 interface

## OPTIONS

- Relay card, fixed connection, software, manual bypass, SNMP adapter
- external hand bypass, battery packs for extension of the back-up time

## ONLINE UPS-SYSTEM

VFI/double conversion offer highest safety for the connected load

## 4 OPERATING MODES

Selectable via control panel

## ACTIVE POWER

### FACTOR CONTROL

guarantees a sinusoidal consumption

## INTERFACES

RS232 interface, USB

## ALARM SIGNALS

Via acknowledgeable signal buzzer

## EASY BATTERY CHANGE

on the front.  
Only a few steps and the battery can be exchanged during running operation

Extension of bridging times with additional batteries on request

Abb. 1 Jovytec PE3000

