

TTC Wärtsilä JOVYTEC PMS 1001-3002

PRODUCT LEAFLET



Reliable UPS technology in 19- inch design

UPS systems of the type TTC Wärtsilä JOVYTEC PMS offer reliable protection against power problems of any kind and ideally protect server facilities and IT systems from system breakdowns. The depth reduced types PMS 2002K and PMS 3002K of only 435 mm are ideal for mounting into modern IT control cabinets.

ONLINE UPS SYSTEMS FOR SERVER FACILITIES

The UPS systems of the JOVYTEC PMS 1001 to 3002 series with their double converter technology meet the requirements of the protection class VFI-SS-111. They are available with the power ranges of 1000 - 3000 VA. All UPS systems of this type are equipped with a power related fan control and power factor control (PFC = Power Factor Correction) providing for sinusoidal power consumption; the output voltage is sinusoidal too. The clear and user-friendly control and display panel enables the choice of four different operating modes: online mode, green mode, free-spin mode and generator mode. In the green mode the efficiency of the UPS systems can be enhanced to more than 98 %.

19-INCH-DESIGN

UPS systems of the type TTC Wärtsilä JOVYTEC PMS1001 have a height of only 44,45 mm (1 HU) with a performance

of 1 kVA. This type of system is only available with a standard bridging period of four minutes. The bridging periods of the types JOVYTEC PMS 1002 to 3002 can be enhanced by additional battery insertions. We gladly manufacture various bridging periods according to customers' wishes.

EASY TO SERVICE

All devices of the TTC Wärtsilä JOVYTEC PMS series allow the battery exchange at the front in just a few moves (Hot-swap system). All systems are equipped with a battery-protecting charger. The control panel informs about the status of the batteries (Battery diagnostic system).

IDEAL FOR MODERN IT CABINETS

The depth reduced types JOVYTEC PMS 2002K and 3002K have a total depth of only 425 mm.

Tab.1 Type overview

TYPES TTC Wärtsilä JOVYTEC PMS 1001 - 3002

	Autonomy times [min]	UPS Rack Dimensions W x H X D [mm]	UPS Rack Weight without [kg]	Battery inserts Dimensions Weight	Weight in total-
TTC Wärtsilä JOVYTEC PMS 1001	4	19" x 1 HU x 525	15,5	The number of battery inserts and the total weight of the UPS depends on the desired autonomy times. The autonomy times can be selected. Ask us for your inquiry.	
TTC Wärtsilä JOVYTEC PMS 1002	0 - 90	19" x 2 HU x 425	9,7 / 17,3		
TTC Wärtsilä JOVYTEC PMS 1502	0 - 60	19" x 2 HU x 425	10,2 / 18,5		
TTC Wärtsilä JOVYTEC PMS 2002	0 - 80	19" x 2 HU x 635	16,4 / 31,6		
TTC Wärtsilä JOVYTEC PMS 3002	0 - 50	19" x 2 HU x 635	17,8 / 33,0		
TTC Wärtsilä JOVYTEC PMS 2002K	0 - 30	19" x 2 HU x 425	10		
TTC Wärtsilä JOVYTEC PMS 3002K	0 - 25	19" x 2 HU x 425	11		

1 HU= 44,45 mm

TECHNICAL DATA

PMS1001 PMS1002 PMS1502 PMS2002 PMS3002

Power cos phi 0,7 ind.	1000 VA 700 W	1000 VA 700 W	1500 VA 1050 W	2000 VA 1400 W	3000 VA 2100 W
Efficiency	88 - 98 %(depends on operation mode)				
Switch-over behaviour	Loss of voltage: 0 ms (Online UPS) Overload switch-over by UPS				

INPUT

Voltage	230 V standard, further voltages on request input voltages:168 - 276 V (0-100 % load) 140 - 159 V (0-70 % load) 120 - 139 V (0-40% load)				
Current	3,6 A	3,6 A	5,4 A	7,3 A	10 A
Phases	single phase				
Frequency	50 Hz / 60 Hz ± 3 Hz				
Efficiency	0,98				
Battery	maintenance-free, sealed lead-acid battery				
Charging time	<8 hrs for 90% charging				
Autonomy time	Diverse autonomy times available - let us know your needs				
Direct current link voltage	24 V	36 V	36 V	72 V	72 V

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 0,7 ind.				
THD	<3% at linear load				
Overload behaviour	100 up to 125 % for 60 s, 125 - 150 % for 10 s				
Crest Factor	3:1				

SETTING

Noise level	<40 dB(A) in approx.. 1 m distance				
Temperature	0°C up to 40°C (15°C up to 25°C recommended, battery: 20°C)				
Humidity	0 % up to 95 %, no condensation				

OPTIONS

USB interface, relay card, SNMP adapter, AS/400 adapter, manual bypass, operation as a frequency converter 50/60 Hz is possible

- **ONLINE UPS SYSTEM**
VFI /Double Converter Technology offers maximum safety for connected consumer / loads
- **4 OPERATION MODES**
selectable via control panel
- **ACTIVE POWER FACTOR CONTROL**
guarantees sinusoidal power consumption
- **INTERFACES**
USB Interface
- **POWER RELATED FAN CONTROL**
protects against overheating
- **ALARM SIGNALS**
via acknowledgeable signal buzzer
- **EASY BATTERY EXCHANGE**
at the front.
Only a few steps and the complete battery cassette can be exchanged during running operation.

Fig.1 TTC Wärtsilä JOVYTEC PMS3002



Hot-Swap-System