

# Wärtsilä JOVYTEC PMS6000

## PRODUCT LEAFLET



UPS systems of the type JOVYTEC PMS 6000 are an extension to our successful Wärtsilä JOVYTEC PMS series with the types PMS 1001 to 3002. The Wärtsilä JOVYTEC PMS 6000 system convinces not only by its clear design, but also by its manifold application possibilities. With its 90° rotatable display the system can be used as a tower or as a 19-inch rack. Furthermore, the unit is pre-equipped for wall mounting. The display can be removed, than positioned and operated at any place outside the system via an extension cable.

### ONLINE UPS SYSTEM

As online systems (double converter technology) Wärtsilä JOVYTEC PMS6000 USV systems protect against system interferences and failures of any kind in a secure and economic way.

**WELL PROVEN TECHNOLOGY** All Wärtsilä JOVYTEC PMS – UPS systems are compiled on the bases of the same tried-and-tested technology of the JOVYTEC P series. This reliable technology combined with the compact design of 19-inch are typical for the systems of the Wärtsilä JOVYTEC PMS series. UPS systems of these series meet by their online double converter technology the highest requirements of the VFI-SS-111. They are equipped with a power dependent fan control and a power factor control (PFC) providing for sinusoidal power consumption. The

output voltage of all Wärtsilä JOVYTEC PMS systems is sinusoidal too. The standard type series is designed for bridging periods of 9 up to 90 minutes at full load.

### FOUR OPERATING MODES SELECTABLE

The five-language display is equipped with vast display possibilities for voltage, frequency, battery status and capacity utilisation. The supplied configuration software allows the adaptation to individual operating parameters. Thus e.g. the output voltage can be chosen between 200 V and 240 V or the automatic restart can be deactivated. Via the control and display panel the user can choose amongst four different operating modes: online mode, green mode, free-spin mode and generator mode.

Tab.1 Types Overview

### TYPES Wärtsilä JOVYTEC PMS6000

	Autonomy time [min]		UPS System		Battery inserts			Weight in total [kg]
	100% load	50% load	Dimensions [mm]	Weight [kg]	Dimensions [mm]	Weight [kg]	Number	
Wärtsilä JOVYTEC PMS6000 - 0	0	0	3 HU ; T = 597	20	--	--	--	20
Wärtsilä JOVYTEC PMS6000 - 9	9	20	3 HU ; T = 597	20	3 HU ; T=597	66	1	86
Wärtsilä JOVYTEC PMS6000 - 25	25	48	3 HU ; T = 597	20	6 HU ; T=597	132	2	152
Wärtsilä JOVYTEC PMS6000 - 40	40	76	3 HU ; T = 597	20	9 HU ; T=597	198	3	218
Wärtsilä JOVYTEC PMS6000 - 60	60	106	3 HU ; T = 597	20	12 HU ; T=597	264	4	284
Wärtsilä JOVYTEC PMS6000 - 90	90	138	3 HU ; T = 597	20	15 HU ; T=597	330	5	350

**TECHNICAL DATA**

Power cos phi 0,7 ind.	6000 VA 4200 kW
Efficiency	88 - 98 % (depends on operation mode)
Switch-over behaviour	Voltage loss: 0 ms (Online-UPS) Switch-over due to overload: by UPS
Classifications	VFI-SS-111
Operation mode	permanent operation

**INPUT**

Voltage	230 V standard, further voltages on request voltage ranges:168 - 276 V (0-100 % load) 140 - 159 V (0-70 % load) 120 - 139 V (0-40% load)
Current	max. 27 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 times	see Tab.1 - Type Overview
Direct current link voltage	240 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
Efficiency	cos phi 0,7 ind.
THD	<3% at linear load
Overload capacity	100 up to 125 % for 60 s, 125 - 150 % for 10 s
Crest Factor	3:1

**SETTING**

Noise level	<55 dB(A) in 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, external bypass, shutdown software, remote display and further more.

- **ONLINE UPS SYSTEM**  
VFI /Double Converter Tech  
nology offers maximum safety  
for connected consumers /  
loads
- **4 OPERATION MODES**  
selectable via control panel
- **ACTIVE POWER FACTOR  
CONTROL**  
guarantees sinusoidal power  
consumption
- **MAXIMUM FLEXIBILITY**  
Rotatable display enables the  
use as pedestal unit or as rack  
(push-back)
- **POWER RELATED FAN  
CONTROL**  
protects against overheating
- **ALARM SIGNALS**  
via acknowledgeable signal  
buzzer

Fig.1 Wärtsilä JOVYTEC PMS6000

