



**JOVYATLAS**

[www.jovyatlas.com](http://www.jovyatlas.com)

## Product Range: **UPS Systems** **POWERMASTER S 1001 - S 3002**

### Application:

Power Supply Protection  
for PCs, networks,  
serversystems etc.

### POWERMASTER S1001 - S3002

The POWERMASTER series is built up in a reliable 19-inch-technology. The POWERMASTER S 1001 to S 3002 UPS Systems fulfill the VFI-SS-111 protection class requirements with their online double conversion technology. They are equipped with a fan control unit, connected to the output of the UPS, and with a so-called PFC (Power Factor Correction) that ensures sinusoidal power consumption.

The output voltage is also sinusoidal with all POWERMASTER systems. All POWERMASTER series UPS Systems allow the selection between four different operating modes via operating panel: Online Mode, Green Mode, Free Running Mode, and Generator Mode. Green Mode can increase the efficiency of the POWERMASTER series systems up to more than 98%.

POWERMASTER S 1001 UPS Systems have a height of just 44.45 mm (1 height unit) with an output of 1 kVA. It is only available with a standard autonomy time of 4 minutes.



The POWERMASTER S 1002 to S 3002 series offer increased autonomy times with supplemental insertable batteries. We can offer a wide range of autonomy times that meet the individual customer's needs.



All batteries for JOVYATLAS POWERMASTER series devices can be replaced through the front side (Hot-Swap-System) in just a few simple steps. All POWERMASTER series systems have a battery saving charging device. The operating panel provides information on the battery status (Battery Diagnosis System).



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**Product Range:**

**UPS Systems**

**POWERMASTER  
S 1001 - S 3002**

**Technical Data:**

**POWERMASTER PMS 1001 - 3002**

Technical Data		S1001	S1002	S1502	S2002	S3002
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
input	voltage	230 V (115 V on request) input voltage areas: 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
	phase	single phased				
	frequency	50 Hz / 60 Hz ± 3 Hz				
	power factor	0,98				
battery	DC-voltage	24 V	36 V	36 V	72 V	72 V
	autonomy times	see type table below				
	type	sealed, lead-acid batteries				
	charging time	<8 hours for 90%charging				
output	voltage	230 V standard (208V/220 V/240 V selectable via panel)				
	phase	single phased				
	frequency	automatic adjustment by ups system				
	power factor	0,7 ind.				
	distortion	<3% at linear load				
	overload behaviour	100 up to 125 % for 60 s, 125 - 150 % for 10 s				
efficiency	crest factor	3:1				
	AC to AC	88 - 98 % according to mode				
switch-over behaviour	voltage failure	0 ms / online ups				
	overload switch-over	automatic overload switch-over by ups system				
noise level	approx. 1 m distance	<40 dB(A)				
environment	temperature	0° C up to 40 ° C (15°C up to 25°C recommended, battery 20° C)				
	humidity	0 % up to 95 %, no condensation				
	storing	20°C recommended				
operation mode		online permanent operation VFI-SS-111 (adjustable)				
options		USB interface, relais card, AS/400-adapter, SNMP-adapter, manual bypass, operation as frequency converter 50/60 Hz				

**Types POWERMASTER PMS 1001 - 3002**

	autonomy time	ups-units		battery racks		total weight
	[min]	dimensions [mm]	weight [kg]	dimensions	weight	
PMS 1001-4	4	1 U ; D = 525	15,5			
PMS 1002-0	0 - 90	2 U ; D = 425	9,7 - 17,3			
PMS 1502-0	0 - 60	2 U ; D = 425	10,2 - 18,5			
PMS 2002-0	0 - 80	2 U ; D = 635	16,4 - 31,6			
PMS 3002-0	0 - 40	2 U ; D = 635	17,8 - 33,0			

1 U (height unit)= 44,45 mm

Number of the battery racks and gross weight of the ups is depending on the favoured autonomy time (realiseable according to customers request)

