

PVO II

HIGHEST ACTIVE POWER FOR A RACK MOUNT UPS



6000VA ~ 10000VA

With its Power Factor 1, PVO II delivers the highest active power for the same kVA. The compact version with batteries included is the simplest choice for servers protection.

PERFECT FOR:



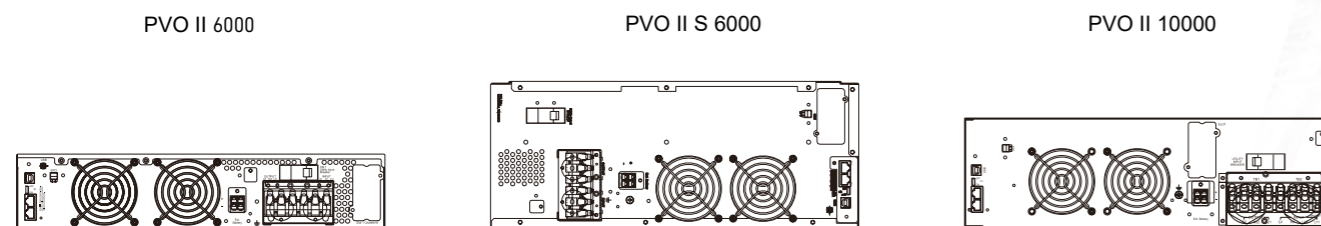
FEATURES

- kW = kVA – More available power than any other UPS of the same category
- Convertible rack/tower with rotating display
- Compact version with batteries included
- High efficiency also in online mode
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Extremely wide input voltage range, to reduce battery cycling and increase battery lifetime
- Flexible battery configuration to best adapt to your needs
- Precise patented back-up time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customization
- Manual extra service check
- USB, comm slot, EPO/ROO

OPTIONS

- External battery cabinets with the same aesthetics
- Versions with transformer in the same case of the battery bank
- Extra battery charger
- Parallel bypass box
- External maintenance bypass and sockets
- Rail kit
- RS232
- Version of 6000C with socket
- Dual input on 10kVA model
- External bypass switch
- External socket

BACK PANEL



SPECIFICATIONS

MODEL		PVO II 6000	PVO II S 6000	PVO II 10000	
INPUT	Phase	Single Phase			
	Voltage Range**	110-280VAC			
	Frequency Range	45-70Hz			
	Current Distortion	<3%			
	Power Factor	Up to 0.99 @ 100% linear mode			
OUTPUT	Voltage (without transformer)	220/208/220/230/240 Vac, settable			
	Capacity	6000VA/6000W	6000VA/6000W	10000VA/10000W	
	Power Factor**	1			
	Voltage Distortion	≤2% @100% load			
		≤7% @100% non-linear load			
	Output Voltage Regulation	without transformer	±1%		
		with transformer	±3%		
	Frequency Range	±1Hz or ±3Hz (Selectable)			
	Crest Factor	3:1			
	Output Waveform	Pure Sinewave			
EFFICIENCY	Online Mode	Up to 94%			
	ECO Mode	Up to 98%			
PHYSICAL	Dimensions (WxHxD, mm)	440x88x685	440x176x685	440x132x685	
	Net Weight (kg)	18.5	60	21.5	
BATTERY	Number	16/18/20 (12/14 optional)		16/18/20	
	Type	VRLA, Sealed maintenance free lead acid			
	Recharge Time (to 90%)	4 hours			
	Charger (16/18/20 model)	2-step (CC-CV), 1.7A (max.)			
	Internal batteries	--	20x 5Ah	--	
	Battery Bank	Code	C20X3U00	--	C20X3U00
		Max quantities	20		
Dimension (WxHxD, mm)		440x132x685	440x88x685	440x132x685	
DISPLAY	Status on LED + LCD	Line mode, backup mode, ECO mode, bypass supply, battery low, battery bad/disconnect, overload UPS fault			
	Readings on LCD	Input voltage, input frequency, output voltage, output current, output frequency, load percentage, battery voltage, inner temperature, backup time estimation			
	Self-Diagnostics	Upon power-on, manual control by panel & communication, self routine check			
ALARM	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault			
PROTECTION	Full Protection	Overload, Over temperature, short circuit, overcharge			
FUNCTION	Multi-Mode	Normal/ECO/Frequency converter			
	DC start	Yes			
	Parallel capacity	Up to 4 units			
	Parallel redundancy	3+1			
ENVIRONMENT	Operation Temperature	0~40°C			
	Operation Humidity	0%~90% (without condensing)			
	Altitude	1000m without derating			
	Noise Level	≤60dBA @ 1 meter			
INTERFACE	Standard	USB, EPO/ROO			
	Option	RS232, RS485, Dry contact card, SNMP/WEB card, 2nd RS232 card			
	Compatible platforms	Microsoft Windows series, Linux, Mac			
STANDARDS & CERTIFICATIONS	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2			
	Performance	IEC EN 62040-3			
	Marks	CE			

Specifications subject to change without notice

* Depending on load percentage

** Depending on number of battery

PVO II PVO II S

THE BEST ONLINE PROTECTION
FOR ALL TYPES OF IT CABINETS

1000VA ~ 3000VA

Thanks to its reduced depth, PVOII S is perfect for short IT cabinets. While PVOII fits best where the available height is limited.



PERFECT FOR:



FEATURES

- Online double conversion
- Wide input voltage range to improve battery life
- Convertible rack/tower with rotating LCD
- Power Factor 0.9 adapted to the majority of the loads
- Battery autonomy on display based on battery capacity and quantity
- Small size - Can fit 500mm deep cabinets
- Simplified service: same spares of tower model
- Programmable outlets
- EPO, USB, Comm. Slot and RS232 port
- Battery deep discharge protection

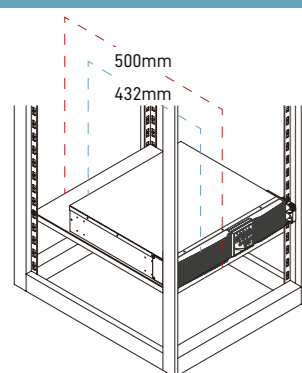
OPTIONS

- CEI 0-16 compliant version
- Version with internal extra charger
- PVOIIS version with 8 batteries
- USB card, dry contact relay card, SNMP/web card
- External bypass switch
- External socket

WHAT'S IN THE BOX

- PVOII1000/PVOIIS1000: 1 x input power cable + 1 x output power cable
- PVOII2000-3000/PVOIIS2000-3000: 1 x input power cable + 2 x output power cable

ODIN COMPACT SIZE



With a depth of only **432mm**, PVOIIS fits cabinets as short as **500mm**

SPECIFICATIONS

MODEL		PVO II 1000	PVO II 2000	PVO II 3000	PVO II S 1000	PVO II S 2000	PVO II S 3000	
INPUT	Voltage*	110~300Vac						
	Frequency	45~66Hz (Auto sensing)						
	Phase	Single Phase						
	Power Factor	>0.99 @ 100% Linear load						
OUTPUT	Capacity*	1000VA/900W	2000VA/1800W	3000VA/2700W	1000VA/900W	2000VA/1800W	3000VA/2700W	
	Voltage	200/208/220/230/240 Vac						
	Power factor	0.9						
	THDv	<3% @ 100% Linear load			<7% @ 100% non-linear load			
	Voltage regulation	1%						
	Frequency range	±1Hz or ±3Hz (selectable)						
	Crest factor	3:1						
	Output waveform	Pure sinewave						
	Output outlets	3x IEC C13	6x IEC C13	6x IEC C13 + 1x IEC C19	3x IEC C13	6x IEC C13	6x IEC C13 + 1x IEC C19	
	EFFICIENCY	Online Mode	Up to 91%					
ECO Mode		Up to 97%						
PHYSICAL	Dimensions (WxHxD, mm)	440x88x405	440x88x600	440x88x600	440x88x405	440x132x432	440x176x432	
	Net Weight (kg)	11.7	21.8	24.6	11.7	23	25	
BATTERY	Number	3	6	6	3	6	6	
	Voltage	36	72	72	36	72	72	
	Type	Sealed maintenance free lead acid 12Vdc						
	Recharge Time (to 90%)	4 hours						
	Empty Battery Bank	Code	BC060000-0000	BC120000-0000		BC060000-0000	BC120722-0000	
		Max. Quantities	6	12	12	6	12	12
	Dimension (WxHxD, mm)	440x88x430	440x88x581		440x88x430	440x176x430		
DISPLAY	LCD measures	Voltage/Frequency/Load level/Battery level/Output current/Estimated						
	Self-Diagnostics	Upon power-on, front panel setting & software control, 24-hour routine checking						
ALARM	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault						
PROTECTION	Full Protection	Overload, over temperature, short circuit, discharge, overcharge						
ENVIRONMENT	Operation Temperature	0~40°C						
	Operation Humidity	0%~90% (without condensing)						
	Altitude	1000m without derating						
	Noise Level	≤50dBA @ 1 meter front						
INTERFACE	Type	RS232, EPO, USB and Comm. Slot						
	Communication slots	Dry contact card, SNMP/Web card, RS485 card						
	Compatible platforms	Microsoft Windows series, Linux, Mac						
STANDARDS & CERTIFICATIONS	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2						
	Performance	IEC EN 62040-3						
	Marks	CE						
BACK PANELS	PVOII 1000	PVOII 2000		PVOII 3000				
	PVOII S 1000	PVOII S 2000		PVOII S 3000				

Specifications subject to change without notice

* Based on load percentage