

# Pixys tower series

DSP-Controlled On-line

**IPS**  
Innovative  
Power Systems

1000VA~3000VA

A complete offer  
for your business



Consultancy



Production



Assistance



Maintenance



**Made in Italy,**

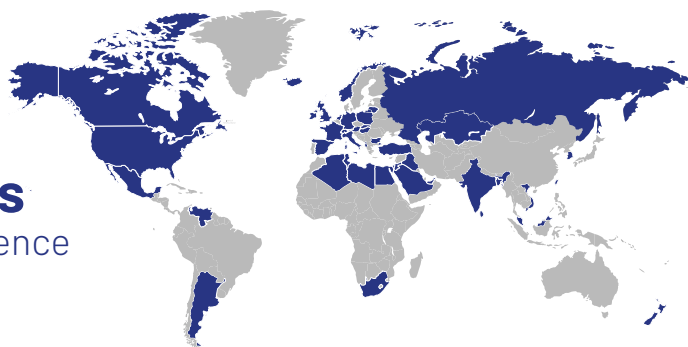
innovation from an  
international company

- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- 0.9 Output Power Factor
- Wide Input Voltage Range
- Active Harmonic Current Control
- LCD/LED Display

- Patent Backup Runtime Estimation
- Multiple Operation Mode
- Remote Emergency Power Off (REPO)
- Remote On Off control (ROO)
- Optional Programmable Outlets
- Easy Firmware Flash Upgrade

**IPS**  
**Innovative Power Systems**

world market in over 30 years of experience



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Engineering solutions for your energy

# Pixys tower series

DSP-Controlled On-line



Model		PYXIS 1000	PYXIS 2000	PYXIS 3000	PYXIS U 1000	PYXIS U 1500	PYXIS U 2000	PYXIS U 3000
Input	Phase	Single + G			Single + G			
	Voltage Range**	110-300Vac			55-150 Vac			
	Frequency Range	45-65Hz (Auto sensing)			44-66Hz (Auto sensing)			
	Input Power Factor	≥ 0.99@ 100% linear load			≥ 0.99@ 100% linear load			
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W
	Output Voltage	220/230/240 Vac			100/110/115/120 Vac			
	Output Power Factor***	0.9			0.9			
	Output Voltage Distortion	<3% @ 100% Linear load <7% @ 100% non-linear load			<3% @ 100% Linear load <7% @ 100% non-linear load			
	Output Voltage Regulation	±1%			±1%			
	Frequency Range	±1Hz or ±3Hz (Selectable)			±1Hz or ±3Hz (Selectable)			
	Crest Factor	3:1			3:1			
Output Waveform	Pure Sine Wave			Pure Sine Wave				
Efficiency	Line Mode	Up to 92%			Up to 92%			
	High Efficiency Mode	Up to 97%			Up to 97%			
Battery	Capacity	12Vdc/7AH		12Vdc/9AH	12Vdc/9AH			
	Battery Number	3	6	6	2	3	4	6
	Battery Voltage	36	72	72	24	36	48	72
	Recharge Time (to 90%)	4 hours						
Display	LCD measures	Voltage / Frequency / Load level / Battery level / Output current / Estimated autonomy						
	Self-Diagnostics	Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check						
Alarm	Audible or Visual	Line Failure / Battery Low / Transfer to Bypass / System Fault						
Protection	Full Protection	Overload, Over temperature, Short circuit, Discharge, overcharge						
Function	Multi-Mode	Normal/ ECO/ CVCF						
	DC start	Yes						
	Programmable Outlet	Option			Yes			
Physical	Dimensions (WxHxD) mm	154 x 211 x 382.4	192 x 249.9 x 469.8	192 x 319.9 x 451	154 x 258 x 404	154 x 258 x 404	171 x 288 x 441	192 x 320 x 553
	inch	6.1 x 8.3 x 15.1	7.6 x 9.8 x 18.5	7.6 x 12.6 x 17.8	6.1 x 10.2 x 15.9	6.1 x 10.2 x 15.9	6.7 x 11.3 x 17.4	7.6 x 12.6 x 21.8
	Net Weight kgs	11.6	22.2	29.8	12.3	15	21.5	30.5
	lbs	25.6	48.9	65.7	27.1	33.1	47.4	67.2
Environmental	Operation Temperature	0-40°C / 32-104°F						
	Operation Humidity	20%-95%RH (Without condensing)						
	Altitude	1000m/3280ft without Derating						
	Noise Level	≤ 50dBA @ 1 meter front						
Interface	Standard	RS-232, EPO			RS-232, USB, EPO			
	Option	USB, RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card			RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card			
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.			Microsoft Windows series, Linux, Mac, etc.			
Standards and Certifications***	Safety	EN62040-1			UL1778			
	EMC	EN62040-2 (C2)			FCC Class A			
	Marks	CE			cTUVus, FCC			

## Battery packs

Contents	BB060367	BB120727	BB120727	BB080247	BB060367	BB080487	BB120727
Rated Battery Voltage	36	72	72	24	36	48	72
Number of batteries	6	12	12	8	6	8	12
Battery type*	12Vdc / 7Ah	12Vdc / 7Ah	12Vdc / 9Ah	12Vdc / 9Ah	12Vdc / 9Ah	12Vdc / 9Ah	12Vdc / 9Ah

\* Specifications subject to change without notice. \*\* Based on load percentage. \*\*\* The same technical specification products could be sold as different model names in different countries, please consult IPS for more information.



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