

PRODUCT BROCHURE



ONLINE UPS

3kVA-20 kVA



www.beaconpowersys.com

WHY ONLINE UPS?

We live in a world where increasing dependence on electricity and the need to protect a range of equipment, data and processes that are crucial to companies. Beacon Online-UPS focuses on design and development of static UPS with increasing performance, which provide adequate energy saving with lower environmental impact.



Safety and uninterruptible service

Electrical events such as voltage dips, black-outs, voltage surges, or other voltage or frequency anomalies, can generate serious consequences

including:

- *interruption of services*
- *loss of data and information*
- *faults or damage to the actual electronic devices.*

The solution to these problems is provided by Uninterruptible Power Supplies (UPS) which when installed will improve the quality of the power by ensuring uninterruptible service and protection of all devices that perform functions that are critical to the business life of companies.

Energy Efficiency

Thanks to the use of the latest technologies, the Beacon Online UPS boast high efficiency and an intelligent battery charging system that extends its useful life. In addition to significantly reducing UPS consumptions and operating costs, these features contribute to reducing the environmental impact of battery disposal.

Applications

Domestic Appliances

Video surveillance, home alarms, smart TV,
Home Entertainment systems

Trade and Tertiary sectors

Offices, shops, points of sale

Health and Hospitality sectors

Hospitals, medical centres, hotels

Industry and large scale tertiary structure sectors

Factories, warehouses, shopping centres

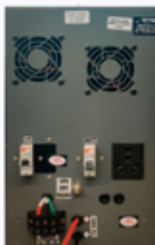
Transport

Airports, rail and ship transport

Data Processing Sectors

Datacenter

PRODUCT MODELS



3 kVA ONLINE UPS

5 kVA- 7.5 kVA ONLINE UPS

10-20 kVA ONLINE UPS

TECHNICAL SPECIFICATIONS- ONLINE UPS										
MODEL	BSON2K	BSON3K	BSON5K	BSON6K	BSON7K5	BSON10K	BSON15K	BSON20K	BSON30K	BSON40K
CAPACITY	2KVA	3KVA	5KVA	6KVA	7.5KVA	10KVA	15KVA	20KVA	30KVA	40KVA
DC VOLTAGE	72VDC		120 VDC		120-192VDC	144-240VDC	192-240VDC	240VDC	360-384VDC	360-384VDC
INPUT VOLTAGE	160 - 280 VAC 1Ø		160 - 280 VAC 1Ø / 300 - 460VAC 3Ø				300 - 460VAC 3Ø			
INPUT POWER FACTOR	> 0.92		>0.8 - 0.98							
OUTPUT VOLTAGE	230VAC/240VAC ± 1% 1Ø						230VAC/240VAC ± 1% 1Ø/ 400 VAC ± 1% 3Ø			
LOAD POWER FACTOR	0.8 (0.9 Optional)									
OUTPUT FREQUENCY	50Hz/ 60Hz ± 0.05 (Free Running), ± 8% Synchronising With Input Power									
OUTPUT WAVE FORM	PURE SINE WAVE									
THD	≤ 2 % For Linear Load , ≤ 4 % For Linear Load									
OVER LOAD	Over Load 150 % for 30 sec , 125% for 5 min									
INVERTER EFFICIENCY	>91%									
INVERTER SWITCHING DEVICE	MOSFET			IGBT						
RECTIFIER SWITCHING DEVICE	IGBT / MOSFET				IGBT / SCR					
CREST FACTOR	3:1									
NOISE LEVEL	< 62 dB					< 68 dB				
COMMUNICATION	RS 232 / SNMP (Optional)									
TECHNOLOGY	Intellegent DSP Design									
COOLING	Temperature controlled Forced Air									
PROTECTIONS	Input Fuse/ Breaker, Overload, Short Circuit, Battery deep Discharge , Battery Over charge/ Over Charging Current, Input Under/Over, Output Under/Over, HRC Fuse									
STATIC CHANGE OVER	1									
GALVANIC ISOLATION	INVERTER ISOLATION Transformer									
DISPLAY	Input Voltage,Output Voltage , Frequency, Battery Voltage, Load Current, System Status, Trip Conditions & Alarms									
AMBIENT TEMPERATURE	0° C to 55° C									
HUMIDITY	Relative Humidity 5% - 95% non-condensed									

BEACON ONLINE-UPS



DATA CENTER



BANKING

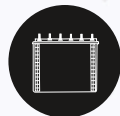


HOSPITAL

UNINTERRUPTIBLE POWER SUPPLY TO PROTECT CRITICAL APPLICATIONS



**LITHIUM
PRODUCTS**



**TUBULAR
BATTERIES**



**SOLAR & HOME
INVERTERS**



**ONLINE
UPS**



**SOLAR COMBO
PACK**



**SOLAR WATER
HEATER**

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