PRODUCT BROCHURE

26 YEARS OF TRUST

Beacon® POWER TO PERFORM

ONLINE UPS

2kVA-100 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

2 kVA-3 kVA ONLINE UPS

5 kVA-7.5 kVA ONLINE UPS

10 kVA-20kVA ONLINE UPS

30 kVA-100kVA ONLINE UPS

TECHNICAL SPECIFICATIONS- ONLINE UPS												
MODEL	**BSON2K**	**BSON3K**	**BSON5K**	**BSON6K**	**BSON7K5**	**BSON10K**	**BSON15K**	**BSON20K**	**BSON30K**	**BSON40K**	**BSON60K**	**BSON100K**
CAPACITY	2KVA	3KVA	5KVA	6KVA	7.5KVA	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	100KVA
DC VOLTAGE	72VDC		120VDC		120-192VDC	144-240VDC	192-240VDC	240VDC	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 / 400VAC ±1% - 3Ø					
LOAD POWER FACTOR	0.8 (0.9 Optional)											
OUTPUT FREQUENCY	50Hz/ 60Hz ± 0.05											
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											
NOICE 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	Manual Bypass for Maintenance /Emergency (Standard) , No Break Automatic Change Over (Optional)											
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®
POWER TO PERFORM

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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