



DRAGON POWER PLUS 40

40 KVA- 400 KVA

The best power protection
solution for Data Centers



lbspower.com





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40 KVA- 400 KVA

MODULAR UPS ONLINE UPS

The Dragon Power Plus 40 Series modular UPS provides the most compact footprint in the market. Its modularity, scalability and high efficiency make it the most reliable UPS for critical applications.

The Dragon Power Plus 40 Series is considered to be the best power protection solution for large datacenters, as well as for sensitive electronics.



Applications



Banks



Telecom



Datacenter



Medical



Government

- Output Power Factor: 1.0
- Multi communication interface.
- High Scalability: From 40 KVA to 400 KVA in one single cabinet.
- Efficiency: 96%
- Friendly Interface.
- Smart Sleep function.
- Intelligent charging management to improve the life time of battery.





Is designed for medium and large Datacenters. Configurable directly from the display, wide flexibility and high overload capacity. The self cleaning function reduces the risk of dust accumulation on cards.

Ideal to protect:

- Healthcare Centers
- Datacenters
- Industrial Automotation Processes
- Servers



Module Swappable System



IGBT Technology



Modularity & Scalability



Flexible Autonomy



**Self Diagnosis
Capability and fast
fault repair**



ECO Function



**Eliminates pollutions
from the electricity
grid**



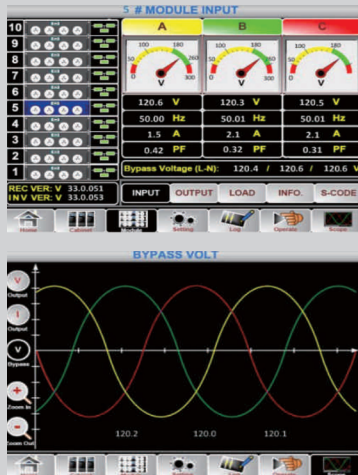
**Efficiency up to
96%**

INDEPENDENT LCD

Each power module has an independent LCD, that gives users direct overview of status data and alarms in real time.



FRIENDLY INTERFACE

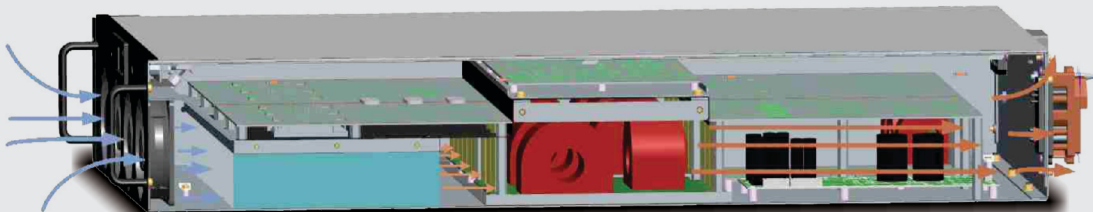


Provides graphical and text based information of alarms, status data and instructions for users to provide more friendly and safer operation.

ISOLATED AIR FLOW

The dedicated and redundant hot-swappable power modules take the most unique structure design. In this illustration the PCB boards and heat sinks are in two completely different layers, which allows the UPS run in dusty environments, significantly improving its stability and environmental adaptability.

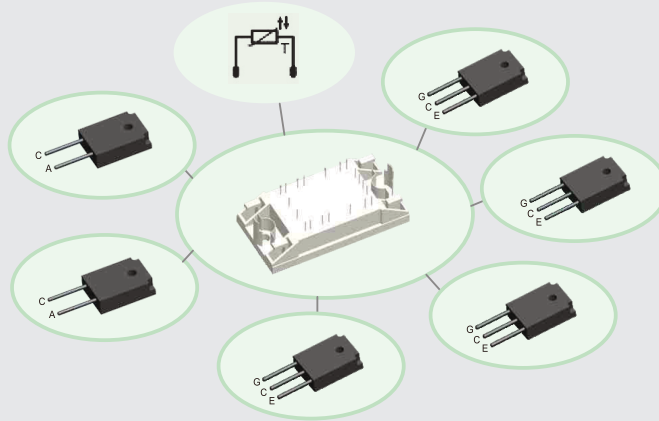
Cooling air flows in the lower layer, keeping the upper PCB free of dust. One air flow channel ensures fans redundancy, even if one fan fails, power module can run normally.



HIGH RELIABILITY

Instead of discrete IGBT and SCR components, Dragon Power Plus 40 Series (40-400 kVA) UPS uses modular IGBT and SCR in Rectifier and Inverter, bringing in extremely high reliability. All components in one module, less fault points, higher reliability.

All components integrated as one modular design, smaller disparity, and less space needed. UPS with compact design and higher power design. Integrated inner thermal sensors, display IGBT inner temperature directly.



HIGH DENSITY



40 KVA power module in 4 U height, easy for HH capacity expansion.

HIGH SCALABILITY

The system can be configured from 40 KVA to 400 KVA in one single cabinet, 3 units in parallel for a capacity up to 1200 KVA.



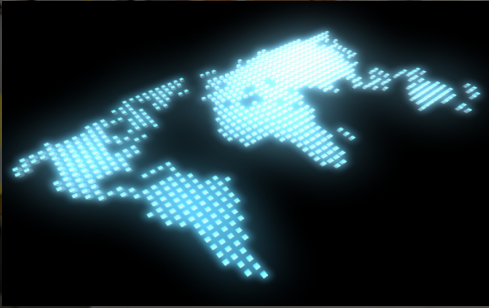


CHARACTERISTICS		MODELS					
DRAGON POWER PLUS 40		80 KVA	160 KVA	120 KVA	240 KVA	320 KVA	400 KVA
INPUT							
POWER MODULE	40 KVA / 40 KW						
VOLTAGE (VAC)	480V/277V						
VOLTAGE RANGE	384-528Vac (líne-líne), ful load; 288-384 Vac (líne-líne), load decreases linearly according to the min phase voltage.						
FREQUENCY (HZ)	50-60Hz						
POWER FACTOR	≥0.99						
THDi	<3%						
OUTPUT							
CREST	3:1						
EFFICIENCY MAX	AC Mode: 96% Battery Mode: 95%						
POWER FACTOR	1.0						
VOLTAGE (VAC)	480 Vac						
FREQUENCY (HZ)	50/60 Hz						
THDu	≤1% (linear) ; ≤5.5% (no-linear)						
WAVEFORM	110% for 1 hour;125% for 10 min; 150% for 1 min; >150% for 200 ms						
BATTERIES							
VOLTAGE (VDC)	±240 VDC						
BATTERY NUMBER	40 pieces						
VOLTAGE PRECISION	± 1%						
EFFICIENCY	up to 20% *Output active power						
SYSTEM							
INTERFACE	Standard: RS232, RS485,Dry Contacts, USB Optional: SNMP Card, Parallel Kit, SPD, LBS, Dust Filter						
DISPLAY	10.4" LCD touch screen +LED+ Keyboard						
ALARM	Low Battery, Abnormal AC Input, UPS Failure, etc..						
IP CLASS	IP 20						
NOISE (DB)	<72 dB@100% load						
WORKING TEMP. (°C)	0~40°C						
RELATIVE HUMIDITY	0 ~ 95%, no condensation						
STANDARDS	CE (Reference standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; Classification IEC EN 62040-3						
PHYSICAL							
DIMENSIONS (MM)	CABINET	600*980*1150	650*960*1600	650*970*2000		1050*1100*2000	1300*1100*2000
	POWER MODULE	510*700*178					
WEIGHT (KG)	CABINET	120	170	220		350	450
	POWER MODULE	44					

LBS POWER

Since its foundation in 2005, LBS is specialized in the production and distribution of UPS and electrical solutions with low and medium voltage equipment..

Its core business is based on giving excellent products, which allow enormous savings by providing clean energy, respecting the environment and solving mission-critical energy situations for its customers, in addition to providing excellent technical service and 24/7 assistance.



LBS has presence with offices in Mexico and the United States and a production factory in Italy.

OUR COMPANY

Additional Services



Technical Service



Diagnostic Service



Pre sale and Post sale Advice



Preventive and Corrective Maintenance



Energy quality study



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