

Durable Series

For data centers and mission critical systems

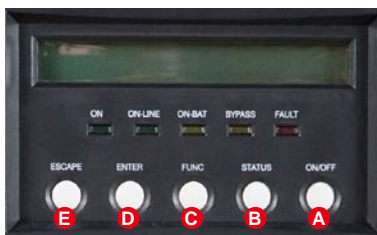
DS-B 6K-20K / DS-BT 6K-20K

Features

- Online double conversion design
- Pure sine wave output with less than 3% THD
- Fully digitized microprocessor control
- Power factor correction
- Selectable UPS output voltage
- High efficiency mode
- Cold start function (DC power on)
- Emergency power off function (EPO)
- Lightning and surge protection
- Short circuit and overload protection
- Fax/Modem/LAN data line surge protection
- Advanced battery management (ABM)
- Automatic battery charging in UPS OFF mode
- Automatic diagnostics and battery check-up
- Extended battery pack available
- Multilanguage LCD display
- RS232 and USB Communication ports, UPS monitoring software



Front Panel



- A** ON/OFF
- B** Status
- C** Func
- D** Enter
- E** Escape

Rear Panel

DS6000B



DS8000B / DS10000B



- 1** Maintenance Switch
- 2** Input Breaker/ Output Breaker (6K)
Input Breaker/ Battery Breaker (8K~20K)
- 3** Extended Battery Connector
- 4** EPO
- 5** RS232
- 6** USB
- 7** Data Line Protection
- 8** Snmp Card Slot
- 9** Terminal Block

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Specifications

Model Name	DS6000B / DS6KBT	DS8000B / DS8KBT	DS10000B / DS10KBT	DS12000B / DS12KBT	DS15000B / DS15KBT	DS20000B / DS20KBT
Topology	True On-Line, Double Conversion, High Frequency					
On-battery Output Waveform	Pure Sine Wave					
Maximum Capacity	6000VA / 4200W	8000VA / 5600W	10000VA / 7000W	12000VA / 8400W	15000VA / 10500W	20000VA / 14000W
INPUT						
Nominal Input Voltage	220V / 230V / 240Vac					
Input Voltage Regulation	180-276Vac					
Nominal Input Frequency	50Hz / 60Hz Auto Sensing					
OUTPUT						
Nominal Output Voltage	220V / 230V / 240V (1Ø, 2wires without Isolation Transformer) or 110 / 220V, 115 / 230V, 120 / 240V (1Ø, 3wires with Isolation Transformer)					
Output Voltage Regulation	Rated Voltage ±2% (on battery)					
Transfer Time (Typical)	0 ms					
Start on Battery	Yes					
Auto Restart	Yes					
PROTECTION						
Data Line Surge Protection	RJ11 / RJ45					
Overload Protection	UPS shuts down at 110% load after 10 secs or 130% load after 1.5 secs					
Over Current Protection	Circuit Breaker					
Discharge Protection	Keylock					
BATTERY						
Configuration	240V (12V / 7.2AH×20) / 1set	240V (12V / 9AH×20) / 1 set	240V (12V 7.2AH×20) / 2 sets	240V (12V 9AH×20) / 2 sets	240V (12V 9AH×20) / 2 sets	240V (12V 9AH×20) / 2 sets
Backup Time (Full / Half load)	7 / 20 min	4 / 13 min	4 / 14 min	6 / 21min	4 / 15min	4 / 14 min
Recharge Time to 90% (Typical)	< 4 Hours					
Extended Battery Pack (Optional)*	BP6000	BP8000	BP10000	BP12000	BP15000	BP20000
	12V / 7.2AH or 9AH×20 / 2 sets					
ADVANCED WARNINGS / DIAGNOSTICS						
Front Panel	On / On Line / On Battery / Bypass / Fault and 15 UPS status					
Audible Alarms	Battery Mode / Battery Test / Replace Battery / Low Battery / UPS fault / Overload					
COMMUNICATION INTERFACE						
Communication Port	RS232 & USB [#]					
SNMP Manageable	Yes					
ENVIRONMENTAL						
Operation Temperature	0°~40°C / 32°~104°F					
Storage Temperature	-15°~50°C / 5°~122°F					
Relative Humidity	0~95% Non condensing					
Audible Noise	< 55 dBA					
PHYSICAL / DS-B						
Dimensions (L×W×H)	Physical	590×257×570mm	690×257×715mm	690×342×878mm	755×342×905mm	755×342×905mm
	Packing	770×410×800mm	860×415×945mm	888×527×1108mm	945×500×1135mm	945×500×1135mm
Weight	Net	87kg	108kg	110kg	190kg	205kg
	Gross	106kg	128kg	130kg	209kg	225kg
					212.5kg	229.5kg
PHYSICAL / DS-BT						
Dimensions (L×W×H)	Physical	590×257×700mm	690×342×715 mm	690×342×878mm	755×342×905mm	755×342×905mm
	Packing	760×415×930mm	860×500×945mm	888×527×1108mm	945×500×1135mm	945×500×1135mm
Weight	Net	123kg	159kg	240kg	260kg	287.5kg
	Gross	145kg	180kg	259kg	288kg	304.5kg
CONFORMANCE						
Approvals	CE					

Specifications are subject to change without notice.

* Typical backup time depends on power consumption of equipment attached and on UPS battery capacity. Values here are for reference only.

** The external battery pack is optional. Battery pack needs to be connected to UPS before connecting any load and turning on the UPS.

The model with optional USB port provides both RS232 and USB connectivity, but only one connectivity can be used at the same time.

DS-BT models include output ISO transformer.