Durable Series

For data centers and mission critical systems

DS1000B/ DS1500B/ DS2000B/ DS3000B

- * Zero transfer time (online)
- * Smart fan speed control
- * Saves more power and minimizes noise
- * 4 hours recharge time
- * Cold start (DC power on)
- * EPO port ready: emergency power off switch
- * SNMP card slot available
- * Hot swappable / replaceable battery: continuous operation even when battery is being replaced
- * Extended battery pack (optional)
- * RS232 and USB port
- * Full version of OPTI-SAFE software



An Online UPS is not a further improvement of the standby technology, but a completely different approach to providing the highest level of power supply. A double-conversion refers to converting the incoming AC power into DC power, and inverting it back to AC power. This ensures the newly reproduced power to be of a quality standard set by UPS, to be completely cleared of all imperfections of the power coming from the AC mains. Regardless of what is going on the AC mains side, the UPS output voltage, frequency and signal purity are kept up to the highest standards. The current flow is absolutely uninterruptible, the transfer time is zero. The UPS can work in pair with diesel generator, and can accommodate additional battery cabinets for a longer backup time.

Beside those, the Durable Series UPS offer a set of essential features that make these UPS a flexible power supply control and power saving tool.

By now the Durable Series UPS perfectly serve their purpose in numerous data processing, medical, banking and other mission critical centres around the globe.

Front Panel



- Function
- 2 Enter
- 3 On/ Off

Backup Time (Typical)

DS1000B 1PC+1LCD 80 mins
DS1500B 1PC+1LCD 90 mins
DS2000B 1PC+1LCD 120 mins
DS3000B 1PC+1LCD 140 mins

Rear Panel

DS1000B/ DS1500B



100V / 110V/ 120V



220V/ 230V/ 240V

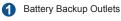
DS2000B/ DS3000B



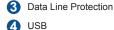
100V / 110V/ 120V



220V/ 230V/ 240V









6 Input

Extended Battery ConnectorSNMP Card Slot

EPO



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Specifications

Model Name		DS1000B	DS1500B	DS2000B	DS3000B	
Topology		True On-Line, Double Conversion				
On-battery Output Waveform		Sine Wave				
Maximum Capacity		1000VA / 700W	1500VA / 1050W	2000VA / 1400W	3000VA / 2100W	
INPUT						
Number of Phase		Single Phase (2W+G)				
Nominal Input Voltage		100/110/120Vac or 220/230/240Vac				
Input Voltage Regulation		80-144Vac(100/110/120Vac) or 160-276Vac(220/230/240Vac)				
Nominal Input Frequency		50Hz / 60Hz Auto Sensing				
Input PFC		> 0.97@Full load				
Input Short Protection		Circuit Breaker				
OUTPUT						
Nominal Output Voltage		100/110/120/127Vac or 220/230/240Vac (selectable)				
Output Voltage Regulation (battery mode)		Rated Voltage +/-2%				
Output T.H.D		< 3% T.H.D at Linear Load				
High Efficiency Mode (AC to AC)		92%				
Crest Factor		3:1				
Start on Battery		Yes				
uto Restart		Yes				
lumber of Outlets		6 Battery backup (US) 4 Battery backup (IEC) 9 B		,	12 Battery backup (US) 9 Battery backup (IEC320 10A×8, IEC320 16Ax1	
PROTECTION		•	, , ,			
Data Line Surge Protection			RJ1	1 / RJ45		
Surge Energy Rating		125 Joules(100/110/120Vac); 280 Joules(220/230/240Vac) 125% Load for 1 minutes 150% of 10 seconds(on line),				
						Overload Protection
Short Circuit Protection		UPS output cut off immediately				
BATTERY						
User Replaceable Battery				3 DC72V / 12V 7.2Ah × 6		
Typical Backup Time (Full / Half load	i)*	6 / 18 min	5 / 15 min	6 / 18 min	5 / 15 min	
Recharge Time to 90% (Typical)			< 1	4 Hours		
Extended Battery Pack (Optional)**		BP1000	BP1500	BP2000	BP3000	
Extended Battery Fack (Optional)		12V 7.2Ah × 6	12V 34W × 6	12V 7.2Ah × 12	12V 34W × 12	
ADVANCED WARNINGS / DIAGNOS	STICS					
Front Panel LEDs		AC mode / On line / On battery / Bypass / Fault / Overload and 15 UPS Parameters				
Audible Alarms		Battery mode / UPS faults / Overload				
COMMUNICATION INTERFACE						
Communication Port		RS232 and USB#				
SNMP Manageable		Yes				
ENVIRONMENTAL						
Operation Temperature		0~40°C / 32~104°F				
Storage Temperature		-20~60°C / -4~140°F				
Relative Humidity		0~95% humidity, non-condensing				
Audible Noise		<40dBA (at 1 meter from surface of unit)				
PHYSICAL			,	<i>'</i>		
Dimensions (Physical / Packing)	(in)	16.5×6×9.4 /	21.5×11×14	16.5×8.9 ×14.1 /	20.7×13.8×19.1	
(LxWxH)	(mm)		545×280×355		/ 526×350×485	
Weight (Net / Gross)	(lbs) (kg)	36.4 / 40.6 16.5 / 18.4	37.7 / 41.9 17.1 / 19	68.5 / 74.1 31.1 / 33.6	72.8 / 78.3 33 / 35.5	
Battery Pack Dimensions	(in)		21.5×11×14		20.7×13.8×19.1	
(Physical / Packing) (LxWxH) (mm) Battery Pack (Net / Gross) (lbs) (kg)		420×152×238 / 545×280×355 420×225×358 / 526×350×485				
		46.7 / 50 21.1 / 22.6			88.4 / 98.4 40 / 44.5	
CONFORMANCE	(3)	21.17		407		
Approvals		111	/ cl II (1 V 0 \ /) · CE	Tick , C-Tick , GOST-R(2	Υ0\/\	
πρισταιο		UL /	00L(1/10V), OL, A-	TION, O-TION, GOOT-R(2	// · /	

Specifications are subject to change without notices.













Series

^{*} 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.