# **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
- Enter
- 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



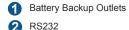
220V/ 230V/ 240V

### DS2000B/ DS3000B





220V/ 230V/ 240V





USB Circuit Breaker

**Extended Battery Connector** SNMP Card Slot

EPO



# **Durable Series**

### DS1000B/ DS1500B/ DS2000B/ DS3000B

### **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 OUTPUT			Circu	uit Breaker		
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				
Auto Restart		Yes				
Number of Outlets		6 Battery backup (US) 4 Battery backup (IEC)		12 Battery backup (US) 9 Battery backup (IEC320 10A×8, IEC320 16Ax1)		
PROTECTION						
Data Line Surge Protection	e Protection RJ11 / 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			ı			
User Replaceable Battery				3 DC72V / 12V 7.2Ah × 6		
Typical Backup Time (Full / Half load Recharge Time to 90% (Typical)	)*	6 / 18 min	5 / 15 min	6 / 18 min	5 / 15 min	
Recharge Time to 90% (Typical)		BP1000	BP1500	4 Hours BP2000	DD2000	
Extended Battery Pack (Optional)**					BP3000	
		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			DOOO	0 I I I O D #		
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 <40dBA (at 1 meter from surface of unit)				
Audible Noise			<40dBA (at 1 met	ter from surface of unit)		
PHYSICAL Dimensions (Physical / Packing)	(in)		21.5×11×14		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				
				88.4 / 98.4 40 / 44.5		
CONFORMANCE	(9)	21.17		407		
Approvals		111	/ cl    (1X0V) · CE   A-	Tick C-Tick GOST-P/2	ΧU/V	
. FF. 3.000		OL /	UL / cUL(1X0V); CE, A-Tick, C-Tick, GOST-R(2X0V)			

Specifications are subject to change without notices.

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













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

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