

Durable Series

For data centers and mission critical systems

DS-E is the high performance sine wave on-line UPS, specially designed for the network computer and mini-intellectual instrument (for example: testing equipment / industrial automatic instrument etc), nicety apparatus of such systems like finance / communication / insurance / railway / medical treatment / mine / enterprise etc which is particular suitable for bad electric environment.

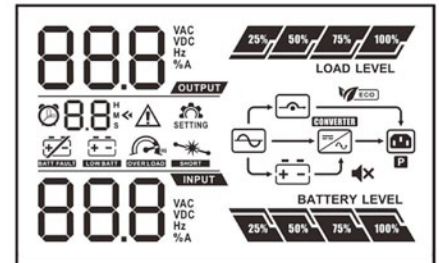
DS-E 1-3K

Features

- Microprocessor control optimizes reliability
- Input power factor correction
- Wide input voltage (110V–300V)
- 50/60Hz Frequency Converter Mode
- ECO mode energy saving
- Emergency power off (EPO) function
- Provides over voltage cut-off protection and surge immunity by MOV for full time equipment protection
- High power factor charger up to 1000W capacity with very low ripple current when charging battery
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel (2-8A)
- Smart battery charger design to optimize battery performance
- Generator compatible



LCD Display



Specifications

Model Name		DS1000E		DS2000E		DS3000E	
Topology		True On-Line Double Conversion					
On-battery Output Waveform		Pure Sine Wave					
Maximum Capacity		1000VA / 1000W		2000VA / 2000W		3000VA / 3000W	
INPUT							
Nominal Voltage		220 / 230 / 240Vac; 110 / 115 / 120 / 127Vac					
Nominal Frequency		40Hz - 70Hz					
Nominal Voltage Range		160-300Vac(220/230/240Vac); 80-150vAC(110/115/120/127Vac)					
Harmonic Distortion (THDi)		≤ 5%					
OUTPUT							
Nominal voltage		220 / 230 / 240Vac; 110 / 115 / 120 / 127Vac					
Voltage Regulation(Battery mode)		± 1 %					
Transfer Time(Typical)	AC to DC	0ms					
	Inverter to Bypass	4ms					
	ECO to Battery Mode	8-10ms					
Frequency Range (Synchronized Range)		47-50Hz or 57-63Hz					
Frequency Range (Battery mode)		50Hz ± 0.1% or 60Hz ± 0.1%					
Crest Ratio		3:1					
Harmonic Distortion		≤ 2% THD(Linear Load), ≤ 4% THD(Non-Linear Load)					
Start on Battery		Yes					
Auto Restart		Yes					
Max. Efficiency	AC mode	89%				91%	
	Battery mode	88%				90%	
	ECO mode	96%					
Number of Outlets(Battery backup)	2x0V	4 (IEC 10A)		8 (IEC 10A)		8 (IEC 10A)+ 1 (IEC 16A)	
	1x0V	6 (NEMA 15A)		8 (NEMA 5-15)		8 (NEMA 5-15)	
PROTECTION							
Data Line Surge Protection		RJ11/RJ45					
Overload Capability		105%~130%:shutdown after 10s, 150%:shutdown after 5s					
Over Current Protection		Circuit Breaker					
Discharge Protection		Keylock					
BATTERY							
Configuration		24V(12V9Ah × 2)		48V(12V9Ah × 4)		72V(12V9Ah × 6)	
Max. Efficiency		88%				90%	
Recharge Time to 90%(Typical)		<3 Hours @ 2A charging current					
INDICATOR & ALARM							
Display		LCD (Rectifier/Bypass/Inverter/Battery)					
Alarm		Battery mode / UPS faults / Overload					
INTERFACE							
Communication port		RS232 and USB					
SNMP Manageable		Yes					
ENVIRONMENTAL							
Operation Temperature		0~45°C					
Noise		Less than 50dBA @ 1 METER					
Relative Humidity		0~95% Non condensing					
MECHANICAL							
Dimension (W×D×H)	mm	145×397×220mm				190×421×318mm	
	inch	5.7×15.6×8.7in				7.5×16.6×12.5in	
Weight	kg	11.7Kg		20.3Kg		28Kg	
	lbs	25.8lb		44.8lb		61.8lb	

Specifications are subject to change without notices.

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