

Durable Series

For data centers and mission critical systems

DS-E LF 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(L) LF 6K-10K



True on-line double conversion structure design

Input and Output are isolated with transformer

Broad Input Voltage Range

The input voltage is 165~275Vac, when the load are PC, the input voltage and frequency is even broader. It can work with village utility and oil generator

LCD Display Panel

Gently touch the button, the UPS input voltage, output voltage, load capacity, battery voltage can be clearly display on panel.

Accurate Synchronized Utility System

Output voltage frequency has zero phase synchronize with net frequency. It fully meets many equipments requirements on synchronized power frequency with power net, improve the reliability.

Completed Protection Measurement

Over voltage protection, over current protection, battery low voltage, instant limited current and short circuits protection etc. these keep the machine away from the wrong operation, and ensure it works reliably in any conditions.

None-Principle-subordinate adaptive control technique (Only applicable to the parallel UPS)

Adapt none-principle-subordinate adaptive control technique, realize N units parallel or N+1 redundancy parallel connection, improve the reliability of the system. It realizes UPS unit on-line launch or quite an heat maintenance for the system.

Features

Model Name	DS6000E LF	DS6000EL LF	DS10000E LF	DS10000E LF
Topology	True On-Line, Double Conversion / Low Frequency			
Output Waveform	Pure Sine Wave			
Maximum Capacity	6000VA / 4800W	6000VA / 4800W	10000VA / 8000W	10000VA / 8000W
INPUT				
Nominal Input Voltage	220/230/240Vac			
Input Voltage Range	165~ 275Vac 1P3W+G			
Input Power Factor	≥0.99			
Input Frequency Range	50/60± 5% (50/60Hz settable)			
OUTPUT				
Nominal Voltage	220/230/240Vac ± 5%			
Nominal Frequency	50/60± 0.5% (battery mode)			
Voltage Distortion	≤3% THD, linear load			
Synchronization Range	Settable, ±3Hz default			
Efficiency	< 91%,			
Overload Capability (Line Mode)	110%: Transfer to bypass after 10 mins, 110~130%: Transfer to bypass after 1 min, Above 130%: Transfer to bypass after 1s			
Crest Ratio	3 : 1			
BATTERY				
DC Voltage	192VDC			
Built-in battery conf.	16×12V7Ah	N/A	32×12V9Ah	N/A
Charger Current	1A	8A	1A	6A
INDICATOR & ALARM				
Display	LED: indicate running status LCD: all parameters of input/output, battery voltage			
Alarm	Overload, abnormal AC input & low battery			
Protection	short circuit, over temperature & overload			
INTERFACE				
Standard	RS232 & USB			
Optional	SNMP Card & Dry Contact			
PHYSICAL				
Dimensions (W×H×L)	230×610×695mm	230×610×470mm	400×800×1180mm	300×610×530mm
Net Weight	91kg	45kg	308kg	65kg
ENVIRONMENTAL				
Operating Temperature	0-40°C, no derating			
Noise	<55dB			
Relative Humidity	0-95% non-condensing			
Operating Elevation	Up to 1000m (3281 ft) without derating			

Specifications are subject to change without notices.