

**LS SERIES SINEWAVE INVERTERS**

**TECHNICAL SPECIFICATIONS**

Model	LS 512	LS624	LS648	LS1012	LS1224	LS1248	LS1512	LS1824	LS1848	LS2012	LS2324	LS2548	LS3024	LS3548	LS4024	LS5048	LS7048
DC Voltage	12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V	24V	48V	24V	48V	48V
Continuous Power	500W	600W	600W	1000W	1200W	1200W	1500W	1800W	1800W	2000W	2300W	2500W	3000W	3500W	4000W	5000W	7000W
1/2 Hour Rating	550W	750W	750W	1150W	1600W	1600W	1600W	2200W	2200W	2200W	2800W	3000W	3700W	4100W	4500W	6000W	8500W
Surge Rate - 5 sec	1500W	2000W	2000W	3000W	3600W	3600W	4500W	5400W	5400W	6000W	7000W	7500W	9000W	10500W	12000W	15000W	20000W
Standby Current	27mA	22mA	19mA	37mA	28mA	22mA	42mA	30mA	24mA	75mA	45mA	35mA	50mA	40mA	60mA	55mA	60mA
Output Waveform	True Sinewave < 4% THD																
Output Voltage	230 Vac +/- 4% @ 50hz +/- 0.1%									240 Vac +/- 4% @ 50hz +/- 0.1%							
Power Factor	All Conditions																
Load Start Sensitivity	0-20W																
DC to AC Isolation	3500V																
Peak Efficiency	90%	92%	93%	91%	92%	94%	91%	94%	94%	90%	94%	94%	93%	94%	94%	95%	95%
Dimensions	260 x 160 x 100 mm			330 x 296 x 150 mm						370 x 386 x 180mm				475 x 458 x 187mm			
Weight	5.5kg	5.5kg	5.5kg	11kg	11kg	11kg	14kg	14kg	14kg	22kg	22kg	22kg	24kg	24kg	30kg	30kg	34kg
DC Circuit Breaker	1 Pole	1 Pole	1 Pole	1 Pole	1 Pole	2 Pole	1 Pole	1 Pole	2 Pole	1 Pole	1 Pole	1 Pole	1 Pole	1 Pole	1 Pole	1 Pole	1 Pole
Cooling	Thermostatically Controlled Fan																
LED Status Indicators	ON, Standby Mode, Over Temperature, Over Load, Battery Under Voltage, Battery Over Voltage																
Protection Circuitry	Full Electronic Protection against Over Temperature, Over Load, Short Circuit, Battery Under Voltage and Over Voltage																
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years
Standard Item	Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	N	N	N

Note: Other DC input voltages and AC output voltages are available upon request.

**OPTIONS**

CODE	Add option code to end of Inverter Model Number. e.g LS2324KX
D	RCD fitted in place of hardwire Junction Box on AC output
G	MIL Spec Conformal Coating applied to final assembly (all Models)
K	Automatic Transfer Switch 25Amp for 1000W to 1800W models
KX	Automatic Transfer Switch with ON delay timer and voltage sensing module 40Amp for 2000W to 4000W and 65Amp for 5000W to 7000W models
R	Ruggedisation for high vibration environment
V	AC Output voltage e.g 100-120Vac
	Non Standard DC Input Voltage e.g 32,36,72,96,120 Vdc

