

**Features of Solar Inverters:**

- \* 12V or 24V DC input
- \* Modified sine wave output
- \* Automatic Charge Controller for Solar Panels
- \* Energy saving mode
- \* Output voltage regulation:5%
- \* High efficiency up to 91%
- \* Power ON-OFF switch
- \* Standby saving mode
- \* Front panel indicator for operation status
- \* Thermostatically controlled cooling fan
- \* Topology: Microprocessor
- \* Protections: Bat. Low alarm / Bat. Low shutdown / Over voltage  
Over temp. / Output short / Input polarity reverse / Overload
- \* Approvals: EMC/LVD/e13/CE/SGS/ROHS/ISO 9001



Made in Taiwan

**SPECIFICATION**

<b>INVERTER</b>		<b>LS-4000</b>	
OUTPUT POWER	CONTINUOUS POWER 4000W	SURGE POWER 8000W	
STANDBY CURRENT	DC 12V <0.9A	DC 24V <0.8A	
INPUT VOLTAGE	DC 12V: 10V~15V	DC 24V: 20V~30V	
OUTPUT VOLTAGE	AC 220V	AC 220V	
OUTPUT WAVEFORM	MODIFIED SINE WAVE	MODIFIED SINE WAVE	
EFFICIENCY	>91 %	>91 %	
OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED	
COOLING	AUTO-OPERATION FAN	AUTO-OPERATION FAN	
OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	OUTPUT SHORT CIRCUIT PROTECTION	
LOW BATTERY	<10.5V or 21.5V +/- 0.5V PRE ALARM	<9.5V or 20V +/- 0.5V SHUT DOWN&ALARM	
OVER HEATING	>60C PRE ALARM	>65C SHUT DOWN & ALARM	
OVER LOAD	>4000W PRE-ALARM	>4300W SHUT DOWN & ALARM	
BATTERY POLARITY REVERSE	BY FUSE	BY FUSE	
<b>CHARGE CONTROLLER</b>			
STANDBY CURRENT(A)	< 30 mA		
OUTPUT CURRENT(A)	30 A		
Max. SOLAR ARRAY Voc(volt)	50 V		
Max. SOLAR ARRAY CURRENT(A)	30 A		
CHARGE STAGE	PWM ---- > FLOAT		
Max. LOAD CURRENT(A)	30 A		
DIP SWITCH SETTING	NI_CAD	GLE/AGM	FLOODED SEALED / WET
LOW VOLT PROTECTION	10 +/- 0.5 V		20 +/- 1
LOW VOLT RESET	12.5 +/- 0.5 V		25 +/- 1
OVER LOAD PROTECTION	YES (120% of rated current)		
EFFICIENCY	>93 %		
DIMENSION (L*W*H)	560*169*152mm		560*169*152mm
NET WEIGHT	11.6 Kg		11.6 Kg