

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

INVERTER		LS-300	
OUTPUT POWER	CONTINUOUS POWER 300W	SURGE POWER 900W	
STANDBY CURRENT	DC 12V <0.4A	DC 24V <0.3A	
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	>300W PRE-ALARM	>330W SHUT DOWN & ALARM	
BATTERY POLARITY REVERSE	BY FUSE	BY FUSE	
CHARGE CONTROLLER			
STANDBY CURRENT(A)	< 30 mA		
OUTPUT CURRENT(A)	20 A		
Max. SOLAR ARRAY Voc(volt)	50 V		
Max. SOLAR ARRAY CURRENT(A)	20 A		
CHARGE STAGE	PWM ---- > FLOAT		
Max. LOAD CURRENT(A)	20 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)	200*173*65mm		200*173*65mm
NET WEIGHT	1.6 Kg		1.6 Kg