

# SL IV PLUS SERIES

## ON/OFF GRID SOLAR INVERTER



**SunLife**  
SOLAR (PVT.) LTD.



MODEL	SL IV PLUS 4.2KW	SL IV PLUS 6.2KW
Phase		1-phase
Maximum PV Input Power	5500W	7200W
Rated Output Power	4200W	6200W
Maximum Solar Charging Current	140A	120A
<b>GRID-TIE OPERATION PV Input(dc)</b>		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
MPPT Voltage Range	90-450VDC	
Number of MPPT Trackers/Maximum Input Current	1/27A	
<b>GRID OUTPUT(ac)</b>		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	18.2A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49~51±1Hz	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency Sloar to AC	98%	
<b>OFF-GRID OPERATION AC INPUT</b>		
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Current	30A	40A
Nominal operating frequency	50/60Hz	
Surge power	8400W	12400W
<b>BATTERY MODE OUTPUT(ac)</b>		
Nominal Output Voltage	24VDC	48VDC
Output Waveform	Pure sine wave	
Efficiency(DC to AC)	94%	
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage	24VDC	48VDC
Maximum Charging Current (Solar to AC)	140A	120A
Maximum AC Charging Current	100A	
<b>GENERAL PHYSICAL</b>		
Dimension, D x W x H(mm)	420*310*110	
Cartoon Dimension, D X W XH(mm)	590*390*208	
Net Weight(kgs)	9.3	9.8
Gross Weight(kgs)	11	11
INTERFACE		
Communication Port	RS232/WIFI /GPRS	

# SL SERIES



**SunLife**  
SOLAR (PVT.) LTD.

## OFF GRID SOLAR INVERTER



MODEL	SL 2.0K-12V	SL 3.2K-24V
RATED POWER	2000VA/1600W	3200VA/3000W
<b>AC INPUT</b>		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC (For Personal Computers) 90~280VAC (For Home Appliances)	
Frequency Range	50 Hz/60Hz (Auto sensing)	
<b>AC OUTPUT</b>		
AC Voltage Regulation	230VAC±5%	
Surge Power	4000VA	6400VA
Efficiency(Peak)PV to INV	98%	
Efficiency(Peak)Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	33VDC
Maximum AC Charge Current	60A	
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	30~400VDC	
Maximum PV Array Open Circuit Voltage	400VDC	
Maximum Charging Current	80A	
<b>PHYSICAL</b>		
Dimension,D*W*H(mm)	357*273*95	
Cartoon Dimension,D X W X H(mm)	435*335*165	
Net Weight(kgs)	4.6	4.8
Gross Weight(kgs)	5.6	5.8
Communication interface	RS232/GPRS/WIFI	