



# SAMLEX POWER PRODUCTS



## Soleil Series Grid Tie Inverters

### FEATURES

*Quiet, efficient operation,  
utilizing high frequency solid-state design  
Standard Grid-Connected PV Inverter  
Anti-Islanding protection  
DSP-controlled for smart MPPT operation  
2 Line Front panel LCD display shows system status  
and power production information  
RS-232 interface for remote power monitoring  
Boost converter for wide DC voltage  
Small light weight compact design*

### APPLICATIONS

*Grid-connected Photovoltaic Systems*



## 4000/6000 Watts

### TECHNICAL SPECIFICATIONS

Model	Soleil 4000-240	Soleil 6000-240
<b>Input</b>		
Nominal DC Voltage	380 VDC	380 VDC
Maximum PV Open Voltage	600 VDC	600 VDC
MPPT Range	160 ~ 5500 VDC	160 ~ 5500 VDC
DC Working Range	150 ~ 600 VDC	150 ~ 600 VDC
System Start-up Voltage	200 VDC	200 VDC
Maximum Input Current	30 A	45 A
<b>Output</b>		
Rated Power	4000 W	6000 W
Maximum Power	4200 W	6300 W
Operational Voltage	211 ~ 264 VAC	211 ~ 264 VAC
Operational Frequency	59.3 - 60.5 Hz	
Power Factor	> 0.99 @ 100% load	
Current Distortion	< 4%	
Maximum Efficiency	> 94%	> 95%
Anti-Islanding	Yes	
<b>Environment</b>		
Protection Degree	NEMA 4X	NEMA 4X
Safety	UL 1741, IEEE 1547, IEEE 1547.1	
EMI	FCC Part 15 Class B	
Operation Temperature	-20 °C to 50 °C	
Humidity	0 - 95%	
Heat Dissipation	Convection without fan	
Acoustic Noise Level	< 45 dB @ 1M	
Communication	RS-232 / RS-485, SNMP optional	
<b>Mechanical</b>		
Dimensions ( L x W x H )	470 x 225 x 490	470 x 225 x 490
Weight	28 kg	32 kg
Gross Weight	31 kg	35 kg

Technical Specifications subject to change without notification.