

## SRP SR2000TL Inverter



### Electrical Characteristics

Sunny Roo Products 2 kVA  
(1 phase) TL

Nominal Output Power	2kW
System Conversion Mode	Sine-wave, Current source, High frequency PWM
Isolation Method	Transformer-less Design*

### DC Input

Nominal DC Voltage	360 VDC
Maximum DC Voltage	500 VDC
Operating Range DC	120 - 500 VDC**
Operating Range DC for MPPT	150 VDC - 450 VDC
No. Input Circuits	14.6

### AC Output

No. Phases/No. Wires	1-phase/2-wires (L, N, E)
Nominal AC Voltage	230V
Nominal Frequency	47 - 50.5 Hz
Nominal Output Current AC	8.7
Harmonic Distortion Range for Nominal Current	Total Harmonic current : Less than 5% Single Harmonic current : Less than 3%
Power Factor	Over 0.99 (at nominal output current)
Efficiency	> 96%

### Protection

Input	Ground fault/DC isolation fault/Islanding
Output	Over-under Voltage/Over-under Frequency
Protection Class	IP 65, Outdoor

### Island Mode Detection

Passive Method	Phase Jump Detection
Active Method	Reactive Power Control
Interface	RS232 (standard), USB, RS485, Dry Contact, TCP/ IP (optional)

### Environmental characteristics

Temperature	-20°C to +50°C/ -13°F to 122°F
Humidity	0-90% Without Condensation
Altitude	0 - 2000 M / 0 - 6600 ft

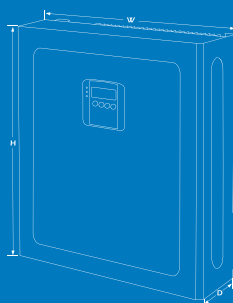
### Mechanical Characteristics

Dimensions (H x W x D)	455 x 430 x 170
Weight (kgs/lbs)	23
Cooling	Free Convection

### Standards and Certificates

Australia / NZ	AS/NZS 4777 and AS/NZS 3100
Europe	VDE, CE, GS
UK	G83, CE
Italy	ENEL DK5940 Ed. 2.2, CE

Loading Capacity 20'GP (Pcs)	180
Loading Capacity 40'GP (Pcs)	360



## SRP SR3000TL Inverter



### Electrical Characteristics

Sunny Roo Products 2 kVA  
(1 phase) TL

Nominal Output Power	3kW
System Conversion Mode	Sine-wave, Current source, High frequency PWM
Isolation Method	Transformer-less Design*

### DC Input

Nominal DC Voltage	360 VDC
Maximum DC Voltage	500 VDC
Operating Range DC	120 - 500 VDC**
Operating Range DC for MPPT	150 VDC - 450 VDC
No. Input Circuits	22

### AC Output

No. Phases/No. Wires	1-phase/2-wires (L, N, E)
Nominal AC Voltage	230V
Nominal Frequency	47 - 50.5 Hz
Nominal Output Current AC	13
Harmonic Distortion Range for Nominal Current	Total Harmonic current : Less than 5% Single Harmonic current : Less than 3%
Power Factor	Over 0.99 (at nominal output current)
Efficiency	> 96%

### Protection

Input	Ground fault/DC isolation fault/Islanding
Output	Over-under Voltage/Over-under Frequency
Protection Class	IP 65, Outdoor

### Island Mode Detection

Passive Method	Phase Jump Detection
Active Method	Reactive Power Control
Interface	RS232 (standard), USB, RS485, Dry Contact, TCP/ IP (optional)

### Environmental characteristics

Temperature	-20°C to +50°C/ -13°F to 122°F
Humidity	0-90% Without Condensation
Altitude	0 - 2000 M / 0 - 6600 ft

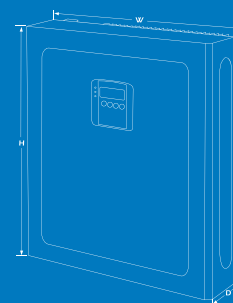
### Mechanical Characteristics

Dimensions (H x W x D)	455 x 430 x 170
Weight (kgs/lbs)	23
Cooling	Free Convection

### Standards and Certificates

Australia / NZ	AS/NZS 4777 and AS/NZS 3100
Europe	VDE, CE, GS
UK	G83, CE
Italy	ENEL DK5940 Ed. 2.2, CE

Loading Capacity 20'GP (Pcs)	180
Loading Capacity 40'GP (Pcs)	360



\* Please visit our website for current and detailed specifications.