

SRP SR4200TL Inverter



Electrical Characteristics

Sunny Roo Products 2 kVA
(1 phase) TL

Nominal Output Power	4kW
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	14.7

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	17.4
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

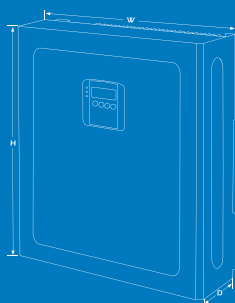
Mechanical Characteristics

Dimensions (H x W x D)	455 x 510 x 170
Weight (kgs/lbs)	28
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 SR5000TL Inverter



Electrical Characteristics

Sunny Roo Products 2 kVA
(1 phase) TL

Nominal Output Power	5kW
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 VDC-500 VDC
Operating Range DC for MPPT	150 VDC - 450 VDC
No. Input Circuits	18.3

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	21.7
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 510 x 170
Weight (kgs/lbs)	28
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

