







PHOTOVOLTAIC
POWER SOURCE ⚡

R8.0
Quality Flex





ENCLOSURE MUST BE GROUNDED
to the main service panel.

ENCLOSURE MUST BE GROUNDED
to the main service panel.

Model: S2502
Serial: 123456789
Date: 12/15/15

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REBUS DC Nanogrid
OUTPUT
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GENERAC PV Link / S2502

Empire® compatible subarray optimizer
PV and battery compatible



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PV Substring
INPUT
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IMPORTANT INSTALLATION INSTRUCTIONS



Notes:
- Max 600V open-circuit voltage (V_{oc})
- Max 10A current
- Max string length 1000m
Warnings:
- Disconnect PV array before working on the device.
- Do not touch the terminals when the device is powered on.

Specifications:
- Input Voltage: 600VDC
- Output Voltage: 48VDC
- Max Power: 250W
- Efficiency: >95%

Warnings:
- Do not touch the terminals when the device is powered on.
- Do not use the device in wet or damp environments.
- Do not use the device in areas with high temperatures.
- Do not use the device in areas with high humidity.

ENCLOSURE MUST BE GROUNDED
for EMI/RFI communication



TYPE: S2502A020
REV: 2020-01-04
MFG. BY: SUN
CNS: 24-21

ENCLOSURE MUST BE GROUNDED
for EMI/RFI communication



GENERAC **PV Link / S2502**
SnapRS™ compatible substring optimizer
PV rapid shutdown system equipment



Model: S2502
Part Number: 2502-0100
Date Code: 2020-01-04

Rebus DC Nanogrid
OUTPUT

IMPORTANT INSTALLATION INSTRUCTIONS



Input:
Max. 42V temperature corrected V_{oc}
5000V stand-off voltage
Our integrated inverter optimizes

Output:
Connect PV Link to inverter I/O as per manual if needed.

Parameter	Value
Max. Input Voltage	42V
Max. Input Current	10A
Max. Output Voltage	48V
Max. Output Current	10A
Max. Power	480W
Max. Efficiency	97%
Max. Temperature	60°C
Max. Humidity	95%
Max. Altitude	3000m
Max. Wind Speed	120km/h
Max. Snow Load	200kg/m²
Max. Rain Load	500kg/m²
Max. Ice Load	50kg/m²
Max. Dust Load	1000kg/m²
Max. Salt Crystallization	1000kg/m²
Max. Corrosion	1000kg/m²
Max. Vibration	1000kg/m²
Max. Shock	1000kg/m²
Max. Seismic	1000kg/m²
Max. Fire	1000kg/m²
Max. Explosion	1000kg/m²
Max. Radiation	1000kg/m²
Max. Electromagnetic Interference	1000kg/m²
Max. Electromagnetic Compatibility	1000kg/m²

WARNING: This device is not to be used in hazardous locations. See the safety manual for more information.

CAUTION: All electrical work should be done by a qualified electrician. See the safety manual for more information.

PRECAUTION: Do not touch the internal components of the device. See the safety manual for more information.

ATTENTION: See the safety manual for more information. See the safety manual for more information.

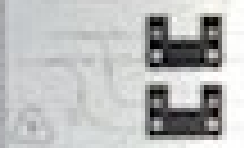
PV Substring
INPUT



GENERAC PV Link / S2502
EnergyIQ™ compatible stringing inverter
PV and AC output disconnect



IMPORTANT INSTALLATION INSTRUCTIONS:



1. PV string 1
2. PV string 2

1. PV string 1
2. PV string 2

OUTPUT
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ENCLOSURE MUST BE GROUNDED

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DC Bus Nanogrid
OUTPUT

GENERAC PV Link / S2502

Smart™ compatible balancing optimizer
PV panel / string controller



IMPORTANT INSTALLATION INSTRUCTIONS



Notes:
The S2502 optimizer is designed to be used in a string of up to 10 optimizers. The string must be connected to a PV array of up to 1000VDC. The S2502 optimizer is designed to be used in a string of up to 10 optimizers. The string must be connected to a PV array of up to 1000VDC.

Warnings:
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PV Substring
INPUT

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