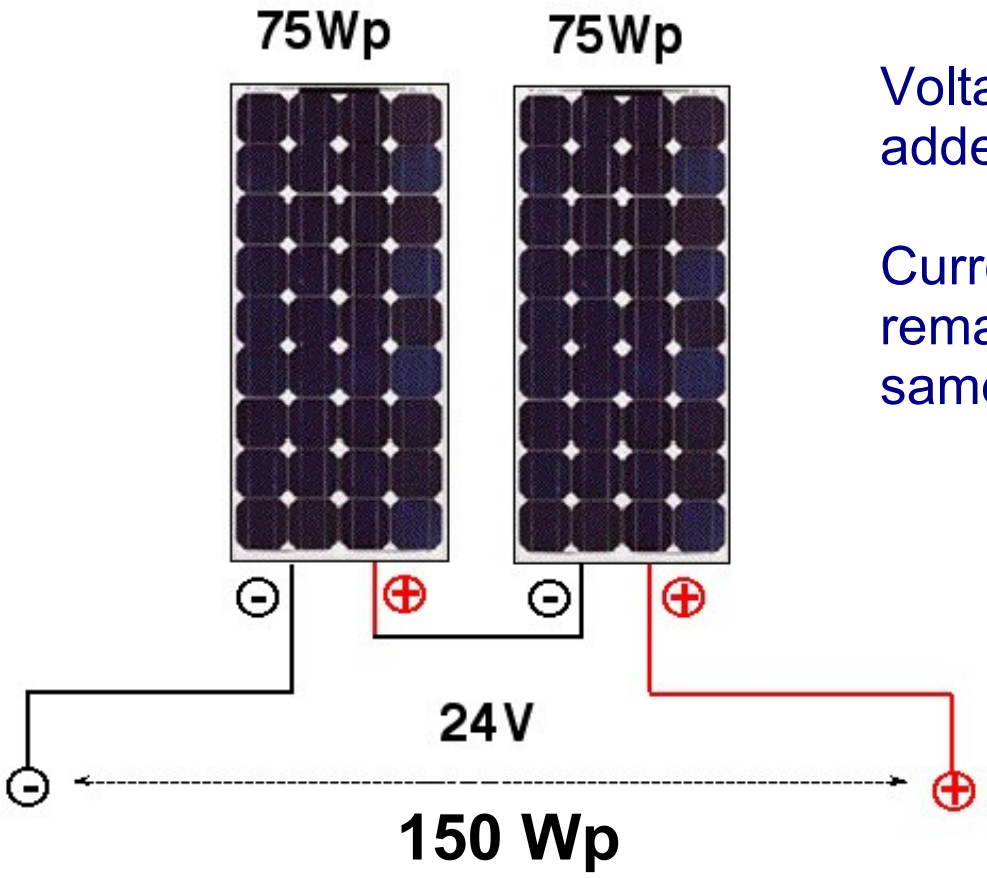
SOLAR MODULES

- WIRING CONFIGURATIONS

renac
renewables academy

Two solar modules connected in series

Modules wattages are added together

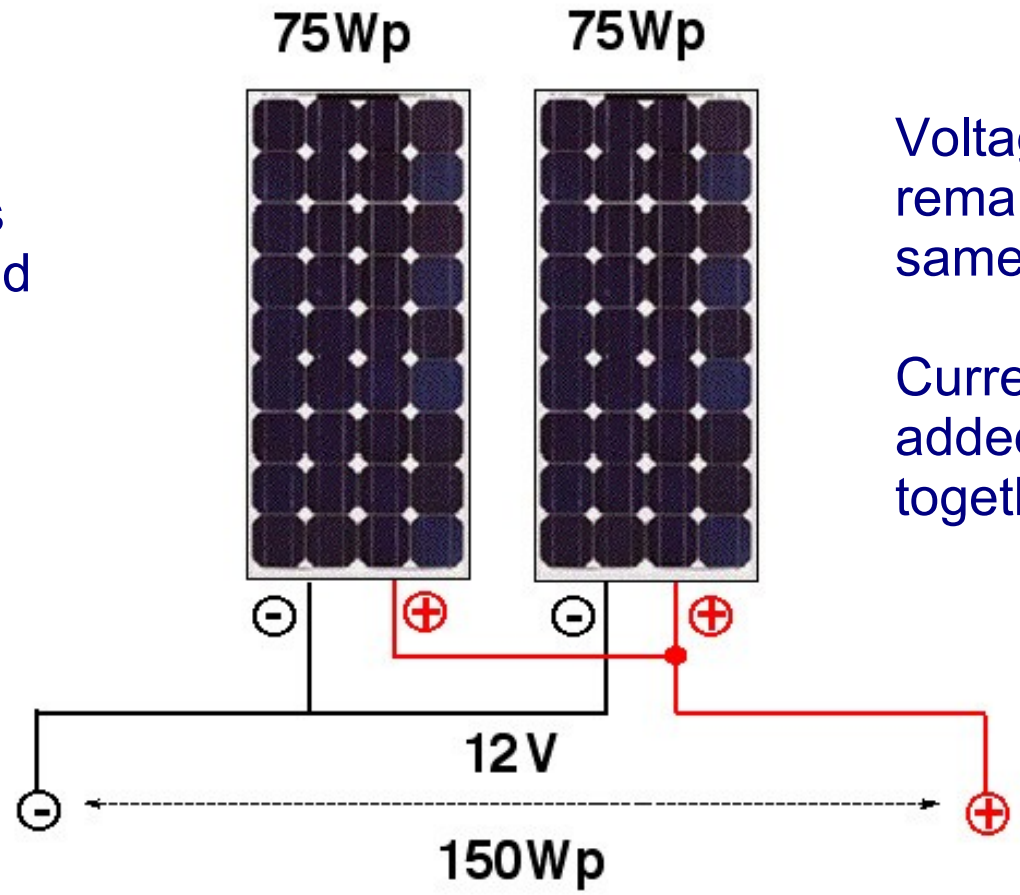


Voltages are added together

Current remains the same

Two solar modules connected in parallel

Modules wattages are added together



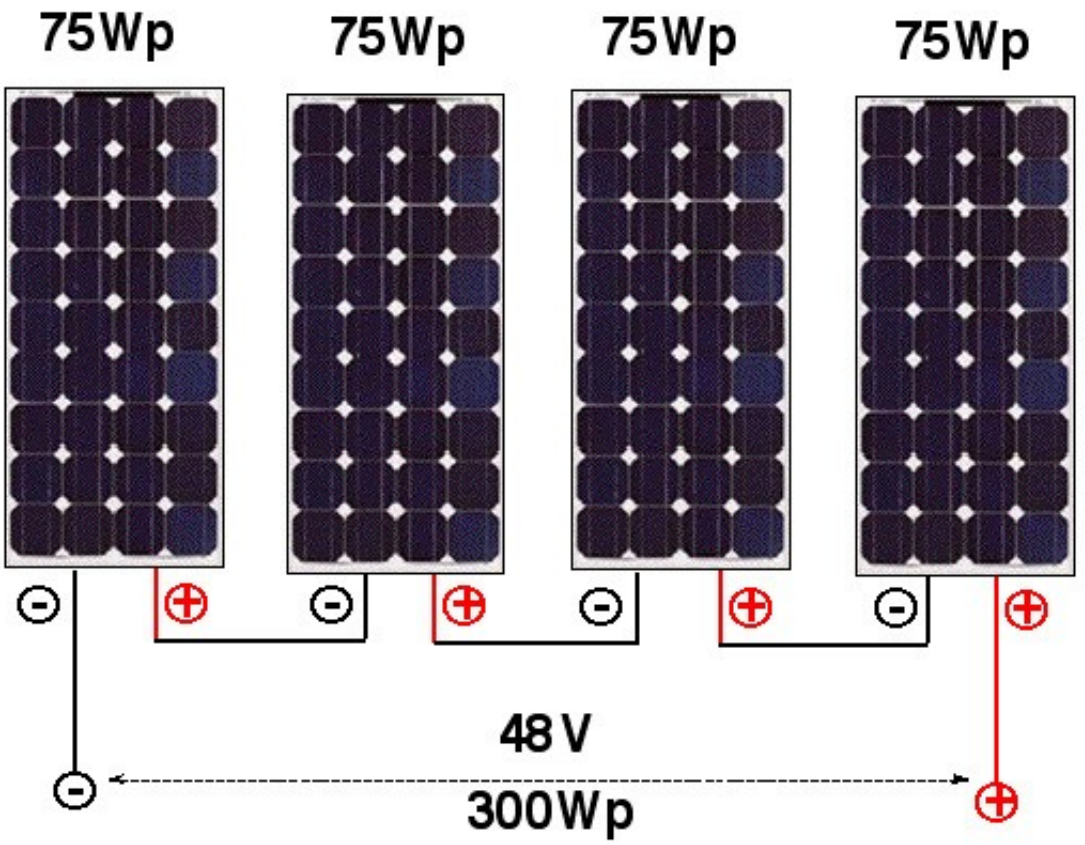
Voltage remains the same

Currents are added together

Four solar modules connected in series

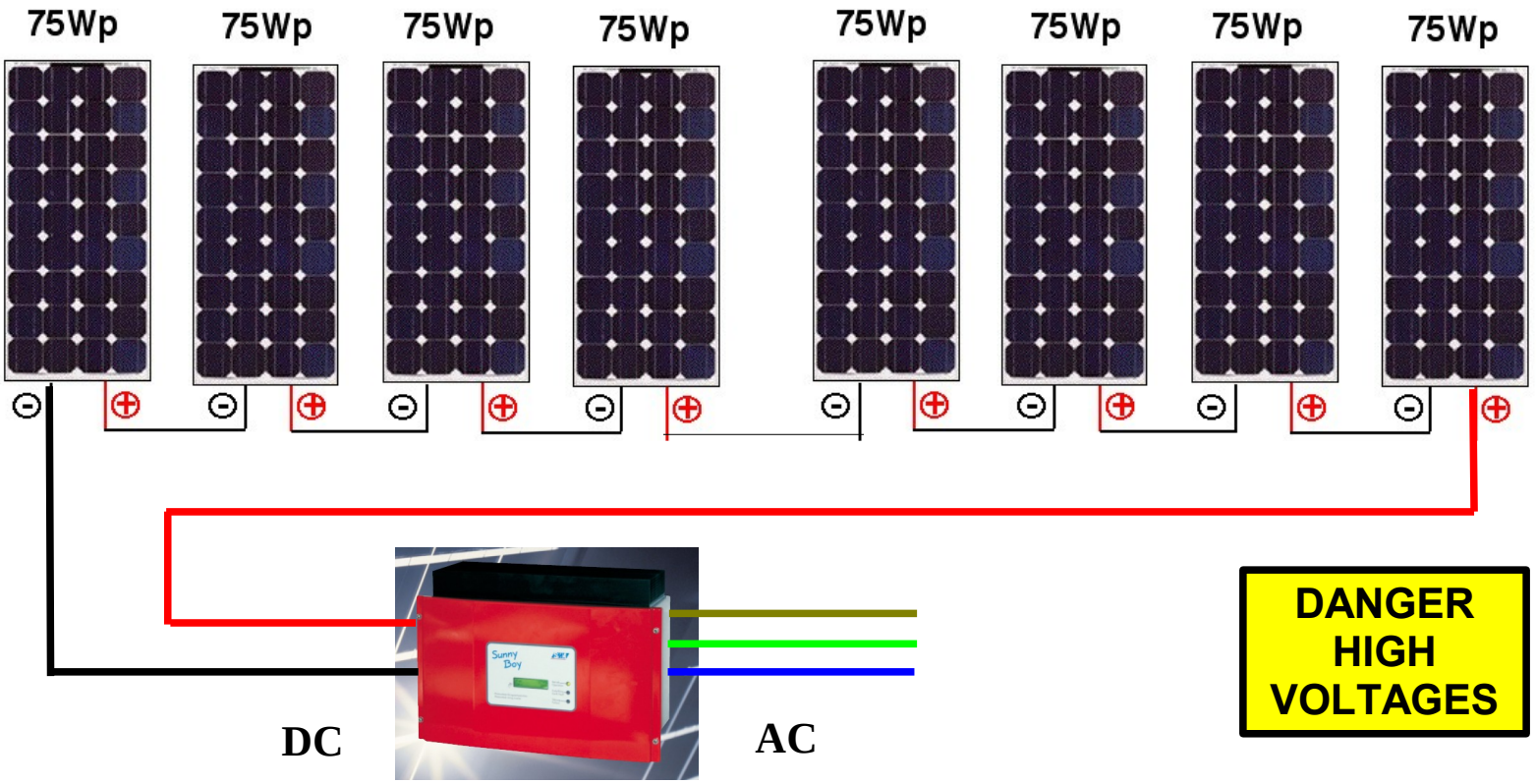
Modules wattages are added together
Voltages are added together
Current remains the same

DANGER HIGH VOLTAGES



renac
renewables academy

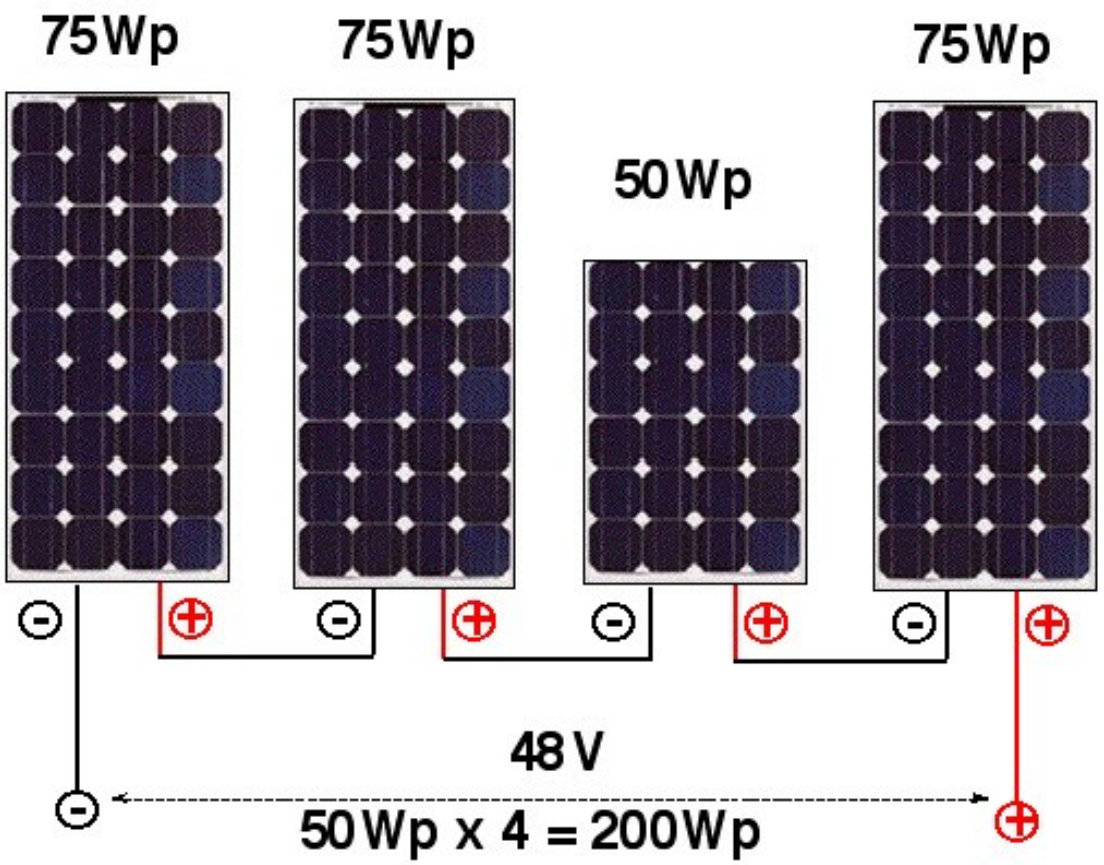
Grid-tied PV - wiring of modules in strings



Solar modules of *different sizes* connected in series

Voltages are added together Current will be that of the smallest module

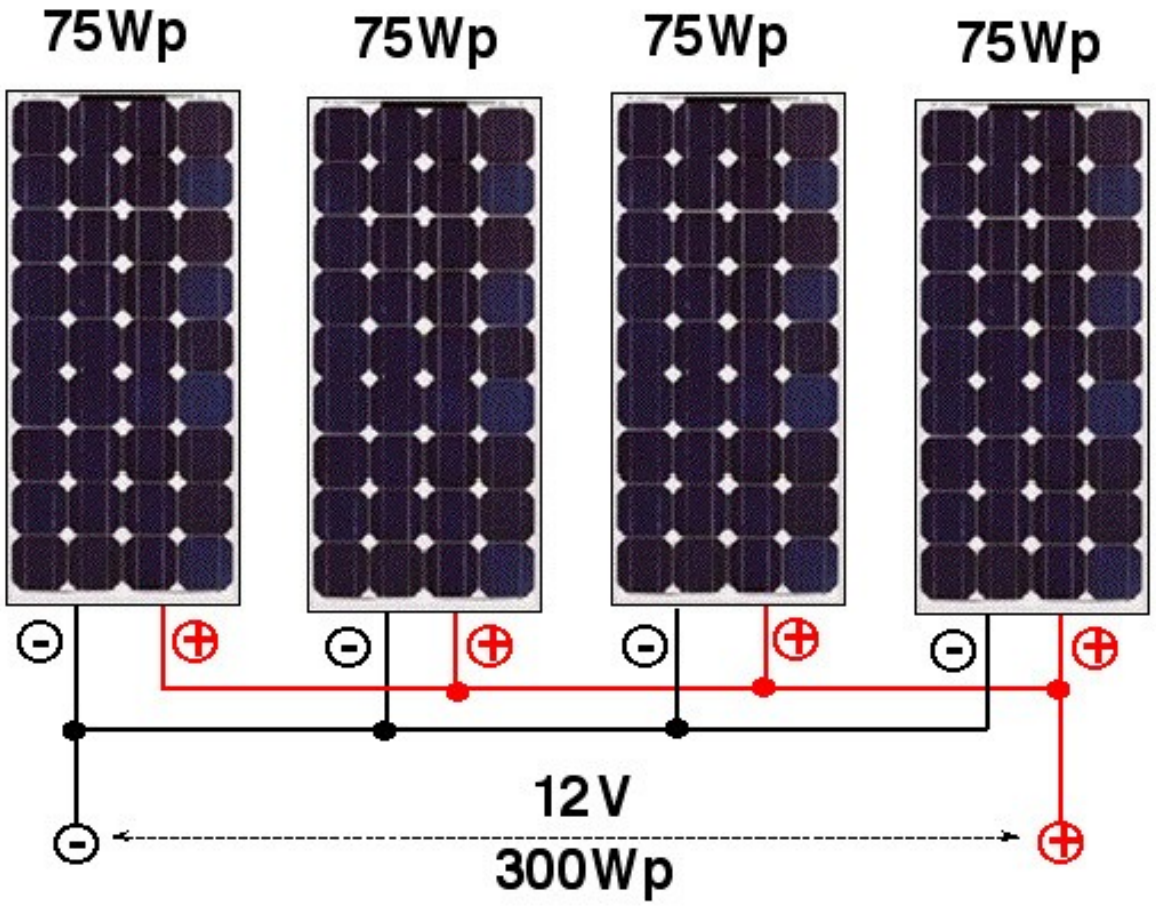
DANGER HIGH VOLTAGES



renac renewables academy

Four solar modules connected in parallel

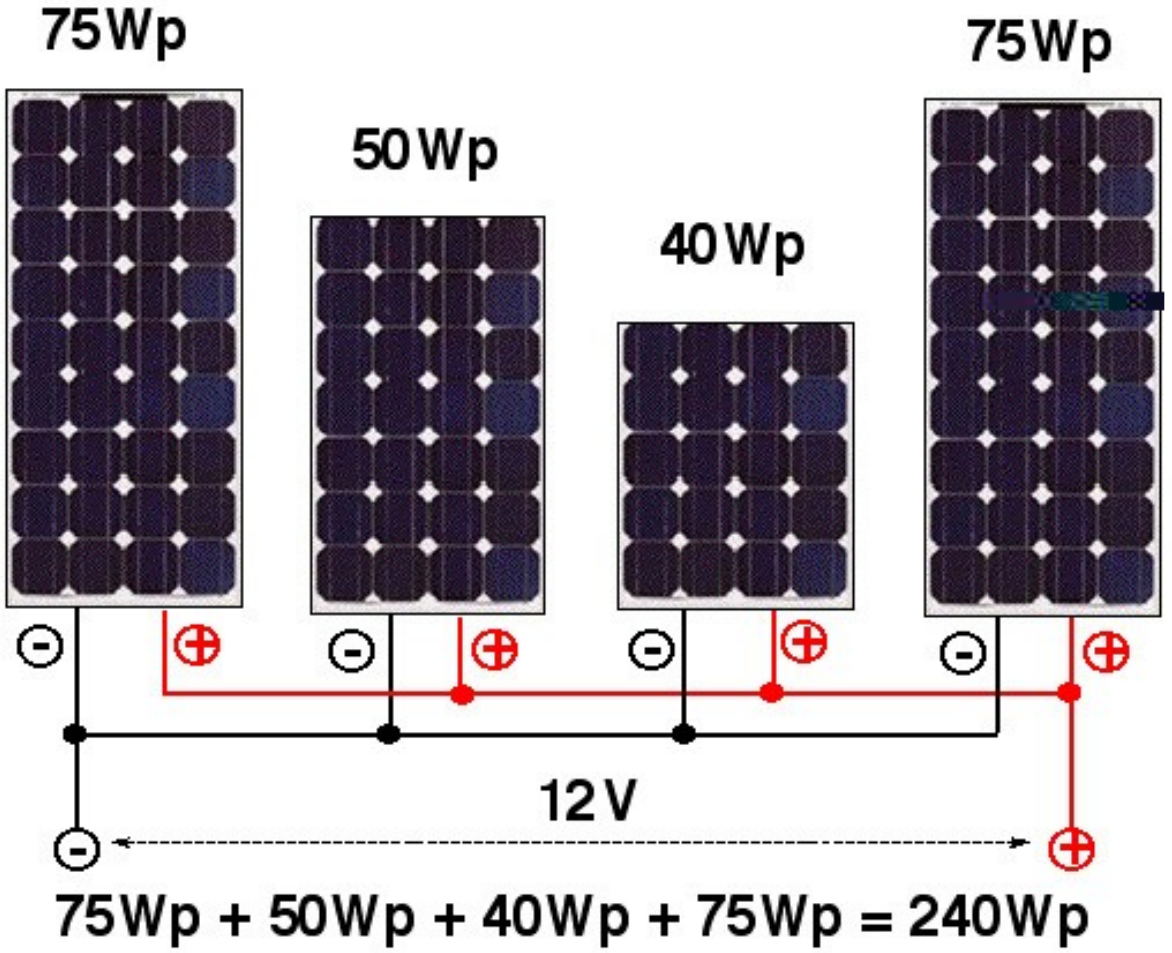
Module wattages are added together
Voltage remains the same
Currents are added together



renac
renewables academy

Solar modules of *different sizes* connected in parallel

Module wattages are added together
Voltage remains the same
Currents are added together



renac
renewables academy

Solar modules connected in series-parallel

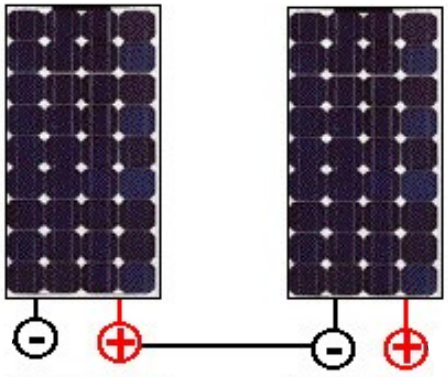
Wattages are added together

Current of strings are added together

Solar modules connected in series-parallel

Wattages are added together

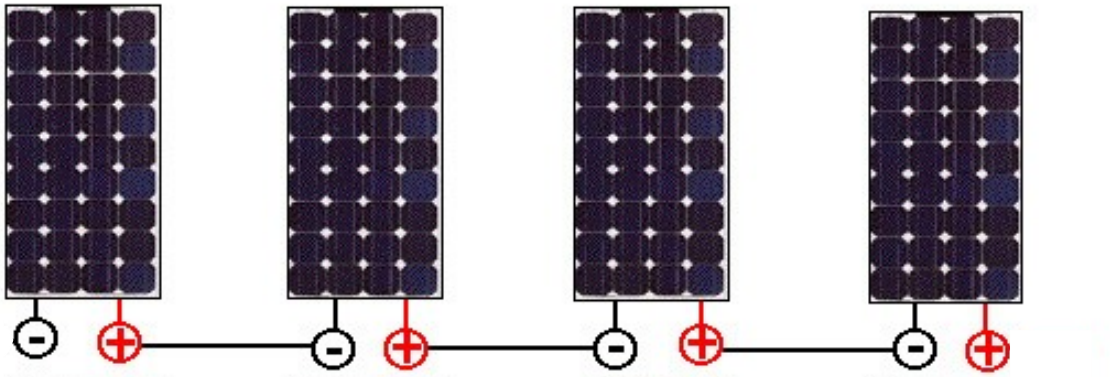
Current of strings are added together



Solar modules connected in series-parallel

Wattages are added together

Current of strings are added together



DANGER HIGH VOLTAGES

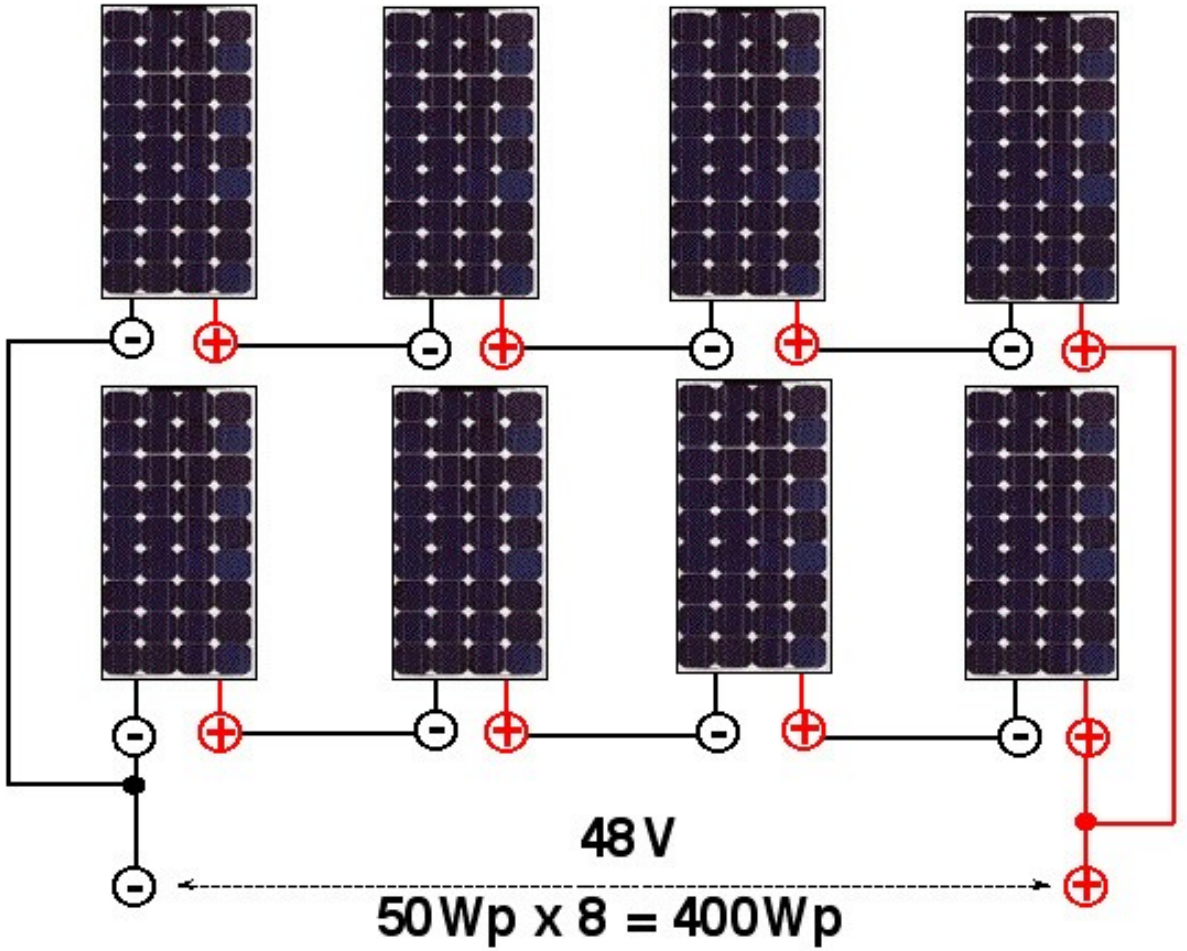
renac renewables academy

Solar modules connected in series-parallel

Wattages are added together

Current of strings are added together

DANGER HIGH VOLTAGES



renac renewables academy