



Module Level Rapid Solar Shutdown (RSS) for Life-Safety and Property Preservation

General System Features:

SolarOff Systems RSS shuts down *all* DC output at module-level when AC is disconnected from the grid or otherwise de-energized.

It *eliminates virtually all* (< 0.1 volts) DC output from module junction box in < 5 seconds.

SolarOff Systems, SOS, can be manually shut-off in the event of localized fire, arcing or ground faults.

SOS requires no new or additional procedures for Firefighters to “shutdown” all the power within a given residence, building or other structure.

With *SOS* there is no need for any special grid or inverter switch gear: will shut down all DC output with AC shutoff/grid disconnect.

SOS can be used by Technicians or other service personal to manually shut-off individual modules, strings or arrays for Technicians and servicing.

SOS, will “turn-off” up to 100 modules simultaneously.

SOS requires no additional installation steps, no additional AC equipment.

SolarOff Systems is reactivated with the presence of AC current.

It is failsafe with built-in redundancy.

SolarOff Systems is reliable and can be turned on and off numerous times without damage.

SOS’s RSS is contained within the junction box on the back of the typical module.

Production line implementation of the *SolarOff System* will have little to no impact on existing manufacturing processes.

SolarOff Systems Rapid Solar Shutdown device will cost less than \$0.05 per watt.