

INNOVATIVE SOLAR INC

Product Information

2016

Rapid Shutdown

With Capacitor Discharge

The First Universal Single Box Solution

Highlights:

- ◆ Discharges inverter capacitors in < 10 seconds.
- ◆ Three 600v versions included in initial release.
- ◆ (1000v UL1741 versions available on request).
- ◆ Auto-triggered with removal of grid power.
- ◆ NEC690.12 compliance in a single box.
- ◆ Available in the SolaDeck enclosure.
- ◆ Available in non metallic enclosure.
- ◆ Works with all grid-tied inverters.
- ◆ Scalable to all system sizes.
- ◆ TUV listed to UL1741.
- ◆ No additional conduit.



Differentiators

Innovative Solar Inc. offers **Capacitor Discharge** on every 600v string

A **Universal Solution** that works with all inverter manufacturers and types. No need to support multiple designs.

No Inverter Modifications are needed to achieve full compliance with 690.12.

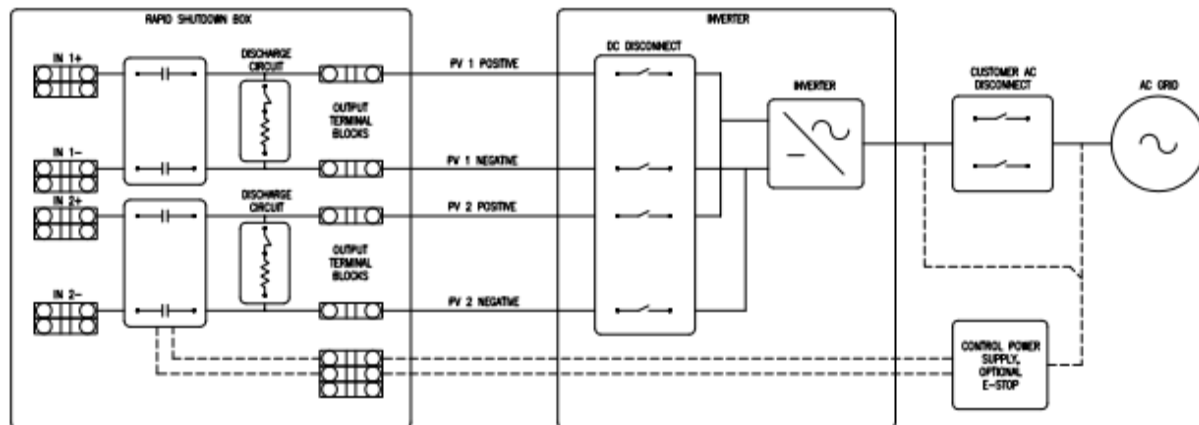
No **maintenance** is required, no batteries to be maintained or replaced, and no PV wires to torque.

The system from Innovative Solar Inc. is rated for **Extreme temperatures**: -40°C to 70°C (-40°F to 158°F).

Innovative Solar Inc. is the only Rapid Shutdown system available in the popular **SolaDeck** enclosure.

Additional features:

- ◆ Can be triggered by Solar AC disconnect or optional E-stop.
- ◆ Control power can be daisy chained for larger systems.
- ◆ Both positive and negative legs are switched.
- ◆ Runs on nearly any low voltage source.



Contact Us

Give us a call for more information about our products

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Specifications:

Version	1 Channel RS6-D1-S1CAC	2 Channel RS6-D2-S1CAC	1 Channel RS6-P1-S1CAC	2 Channel RS6-P2-S1CAC	RS6-D3-S2CAC RS6-D4-S2CAC
PV input					
Number of channels	1	2	1	2	3 to 4
Max number of input strings	2	4	2	4	6 to 8
Enclosure					
Type	CRS, flashing		Polycarbonate		CRS
Mounting angle (minimum)	14 deg > Horz 3/12 pitch		Any		Any horizontal orientation Derate 10C, if on end
Dimensions H x W x D (inches) without mounting flanges	8.7 x 10.4 x 2.6		9.5 x 8.5 x 3.5		15.7 x 7.9 x 3.1
Net weight (approx.)	10 lb.		3.5 lb.		13.1 lb.
Enclosure rating	NEMA 3R		NEMA 4X		NEMA 3R/4
Max input voltage	600vdc				
Max input current (per string)	12.5A				
Conductor size	14-10 awg (stranded) (2 positions/polarity/channel)				
PV output					
Conductor size	14-6 awg (stranded or solid)				
Capacitor discharge	1000uf / RSD channel (discharge to <30v in <10sec)				
Surge protection (UL1449 certified)	20kA at single 8/20µS impulse				
Control power					
Power consumption	2.5w/contactor, pull-in 0.7w/contactor, holding				
Control voltage	15-30vdc				
Conductor size	18-12 awg (stranded or solid)				
Environmental					
Operating temperature range	-40°C to 70°C (-40°F to 158°F)				
Certifications	UL1741 , 690.12 compliant				
Warranty					
Standard Warranty	10 Year				