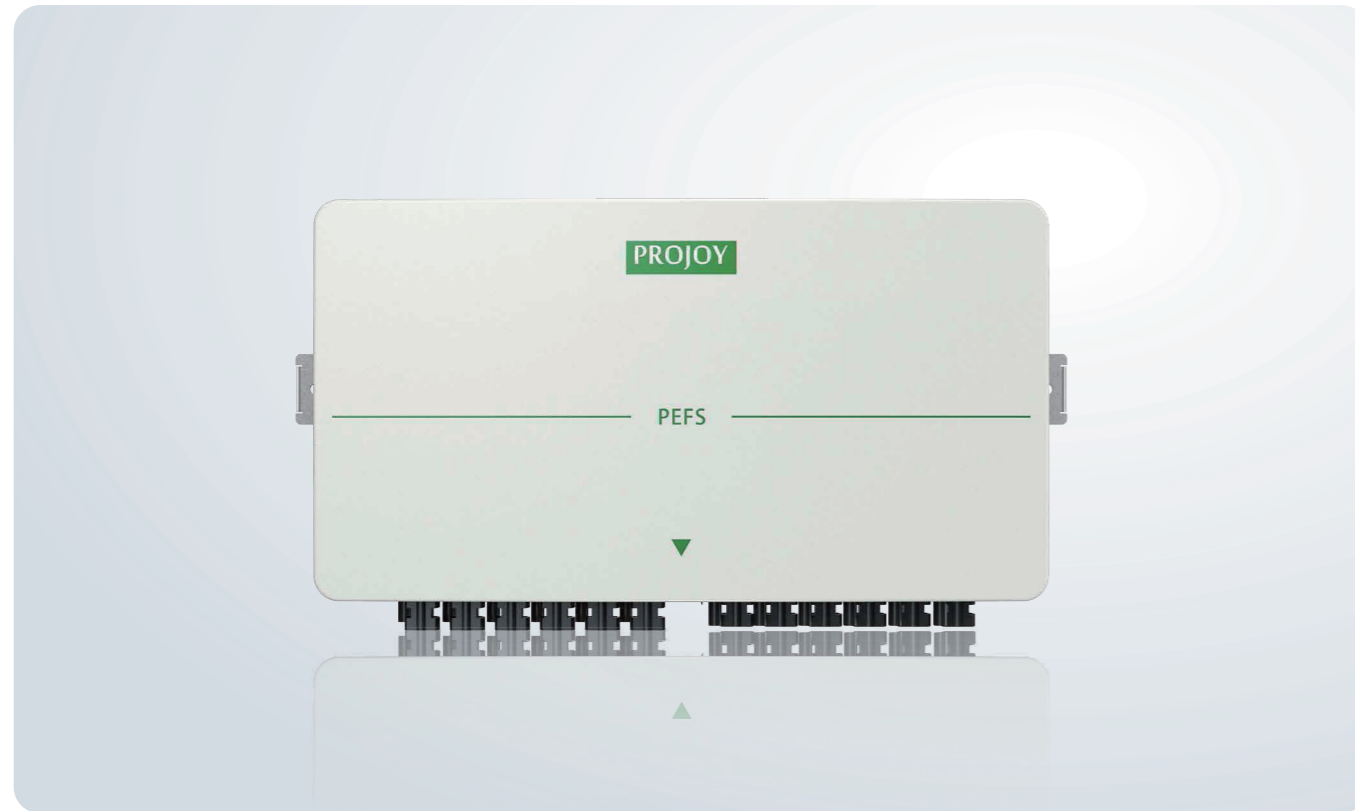


PEFS Series

(3-5 strings)-P2 Rapid Shutdown with PID recovery function



High Craftmanship AND High Standards



PID recovery function (optional)



Small volume



Flameproof



Anti-UV



Outdoor installation



Easy to install



Service life 25 years



High reliability

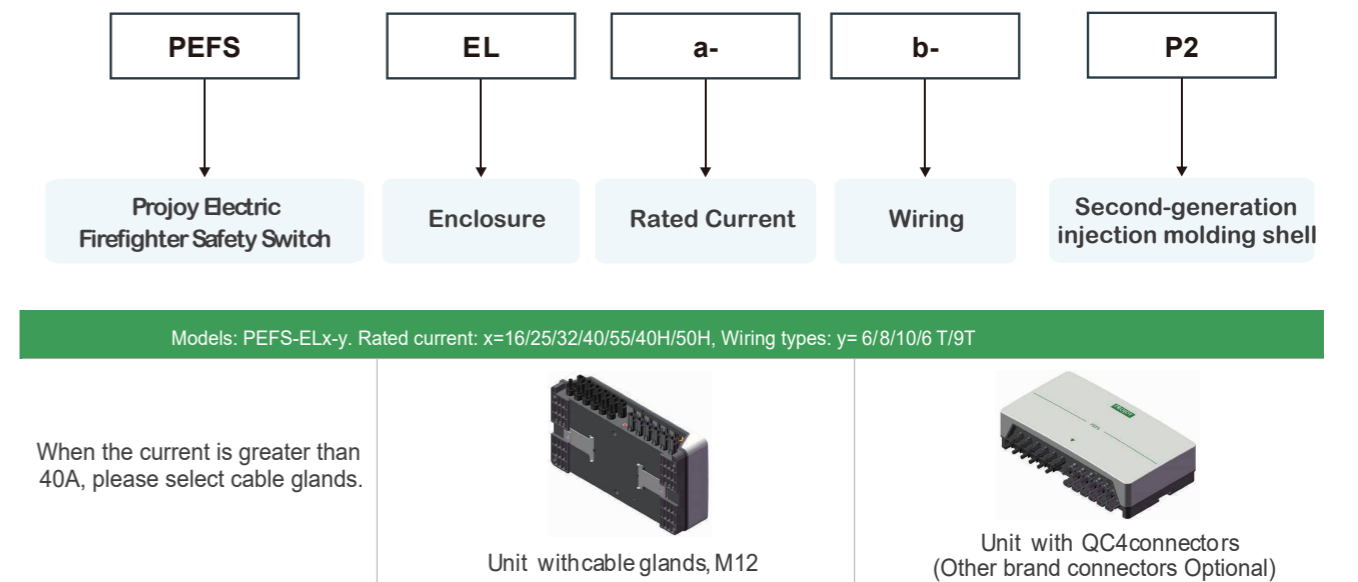


OV output physical isolation

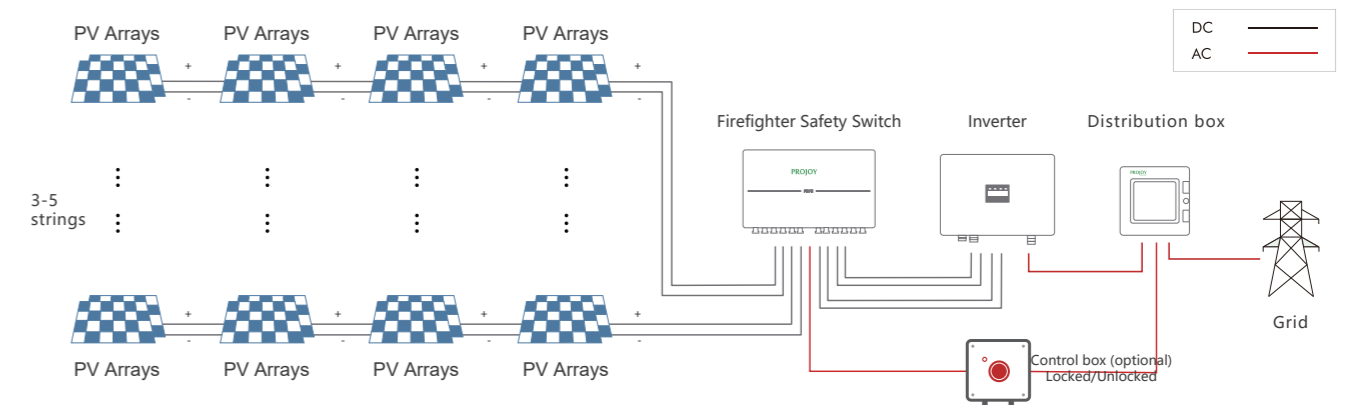


Multiple shutdown methods over temperature/loss of pressure /emergency shutdown

Select Code



Diagram



Shutdown Mode

<h3>Automatic Shutdown</h3> <p>Automatically shutdown the DC power of panels when detecting temperature of the area is higher than 70 C.</p>	<h3>AC Power Shutdown</h3> <p>Firefighters or homeowners can manually turn off the AC power of the distribution box when in an emergency or it can automatic shutdown when the AC power has lose.</p>	<h3>Manual Shutdown</h3> <p>In an emergency, it can be shutdown manually through the Panel Level Rapid Shutdown Controller Box.</p>	<h3>RS485 shutdown Optional</h3> <p>Maintenancers or homeowners can also remotely shutdown through RS485 communication (Optional).</p>
--	---	---	--

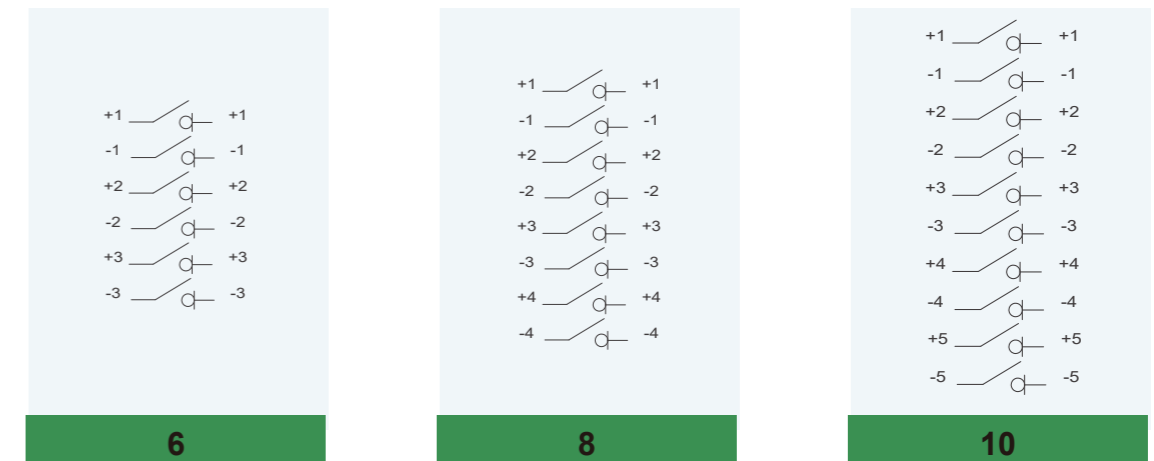
Technical data

Technical Parameter		
Main Parameters	PEFS-P2	
String voltages (Vdc)	300~1500	
String current (A)	3~5	
Number of strings	3~5	
Switch wiring	6/8/10	
Operating voltage	100Vac - 270Vac	
Nominal voltage	230Vac	
Nominal current	30mA	
Start up (loading) current	average 100mA	
Switch on action current	max 300mA	
Feedback contact	24Vdc - 300mA max	
Operating temperature range	-40°C - +70°C	
Max. operating temperature before automatic switch off	+70°C	
Storage temperature range	-40°C - +85°C	
Protection degree	IP66	
Protection level	Class II	
Certification	CE	
DC Switch disconnect according to	EN 60947-1&3	
Number of operations	10000	
Number of operations under load (PV1)	>1500	
PID repair function	optional	
PID Recovery Module Spec		
AC Input	Static Power	<0.5W
	Operating Power	3.75W
	Max. Power	8.75W
DC Output	Rated Output Voltage To Ground	600V
	Rated Output Current	3.3mA
	Max. Short Circuit Current	6.7mA
PV Modules And Inverter Requirements	Max. System Volatage	1500V
	Module Type Required	P Crystalline Silicon Type
	Minimum Insulating Impedance	200kΩ
Other Info	Operating Temperature Range	-20°C ~ +60°C
	Operating Relative Humidity	0% ~ 98%
	Max. Altitude Without Derating	4000m

Technical data

Data of PEFS refer to built-in DC isolators. Data according to IEC60947-3(ed.3.2):2015. Utilization category DC-PV1.						Poles	No. of Strings	Part Number
300V	600V	800V	1000V	1200V	1500V			
16	16	16	9	6	3	6/8/10	3/4/5	PEFS-EL16-6/8/10-P2
25	25	22	11	8	4	6/8/10	3/4/5	PEFS-EL25-6/8/10-P2
32	32	26	13	10	5	6/8/10	3/4/5	PEFS-EL32-6/8/10-P2
40	40	30	20	15	13	6/8/10	3/4/5	PEFS-EL40-6/8/10-P2
55	55	45	33	33	18	6/8/10	3/4/5	PEFS-EL55-6/8/10-P2
40	40	40	40	30	20	6/8/10	3/4/5	PEFS-EL40H-6/8/10-P2
50	50	50	50	40	30	6/8/10	3/4/5	PEFS-EL50H-6/8/10-P2

Contact Configuration



Dimensions

