

LONQ-40

Details: DC Disconnect switch up to 1500V features an IP66 waterproof enclosure with excellent protection level, high-quality plastic material, UV resistance, and options for 2-4 poles, suitable for distribution boxes. The LONQ-40 series DC isolation switch comes with an air valve for improved air circulation and temperature reduction.

- which are suitable for residential or commercial photovoltaic systems ranging from 1 kW to 20 kW, placed between the photovoltaic modules and inverters.
- optional MC4 plugs with adapters or cable sealing glands, ensuring easy installation, operation, connection, and space savings.
- The arc-fault duration is less than 8ms, making the solar system safer.
- Please refer to the product parameter table for detailed specifications.



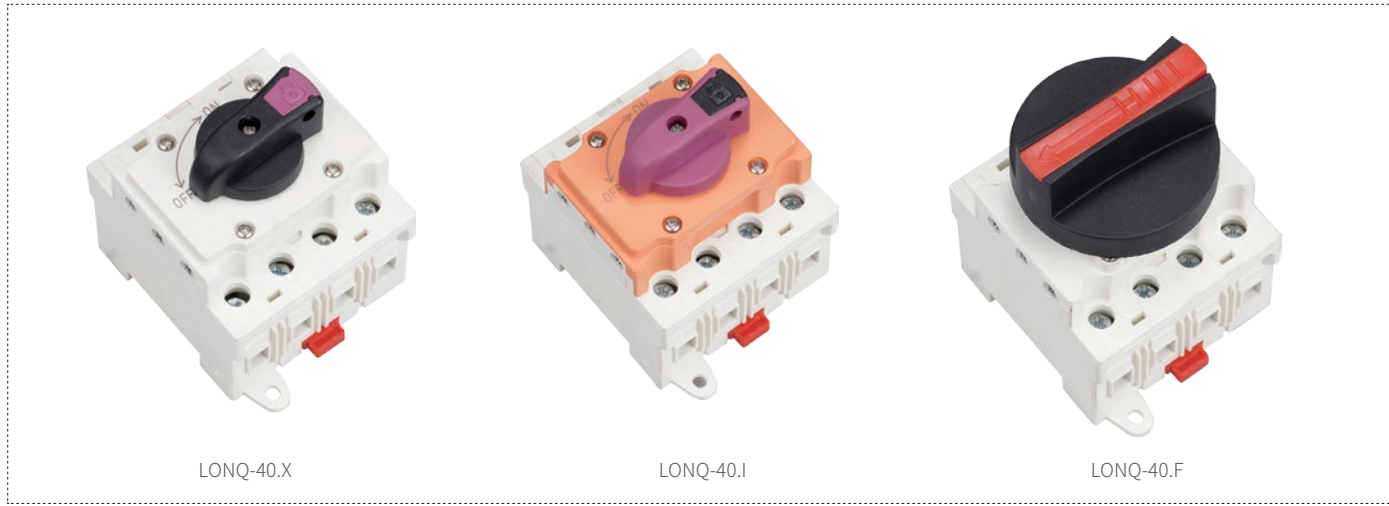
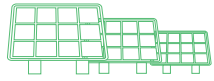
DC Isolated Switch



Technical Data

Testing Complies with AS 60947.3:2018, EN IEC 60947-3 :2021, Utilization Category: DC-PV2

Main Parameters		unit	LONQ-40
Rated insulation voltage	Ui	V	1500
Rated thermal current	Ith	A	32
Rated impulse withstand voltage	Uimp	V	8000
Rated short-circuit making capacity	Icw	A	1000
Maximum cable cross sections (incl. jumper)			
Solid or standard		mm ²	2.5-6
Flexible		mm ²	2.5-6
Flexible (+ multicore cable end)		mm ²	2.5-6
Torque			
Tightening torque terminal screws M4.		Nm	1.2-1.8
Tightening torque shell mounting screws		Nm	1.5-2.0
Tightening torque knob screws		Nm	0.5-0.7
Switching on or off Torque		Nm	0.9-1.3
The wiring Torque on Base		Nm	1.1-1.4
General parameters			
Knob positions			OFF at 9 hr, ON at 12 hr
Mechanical life			10000
Number of DC poles			2 or 4
Operation temperature			-40 to +85
Storage temperature			-40 to +85
Pollution degree	°C		2
Overvoltage category	°C		III
IP rating of shafte and mounting nul			IP66



High Craftsmanship AND High Standards



Small volume



Flame retardant material



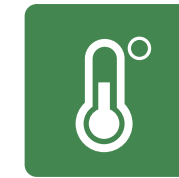
IP66



Flying Fox Short



Complete accessories

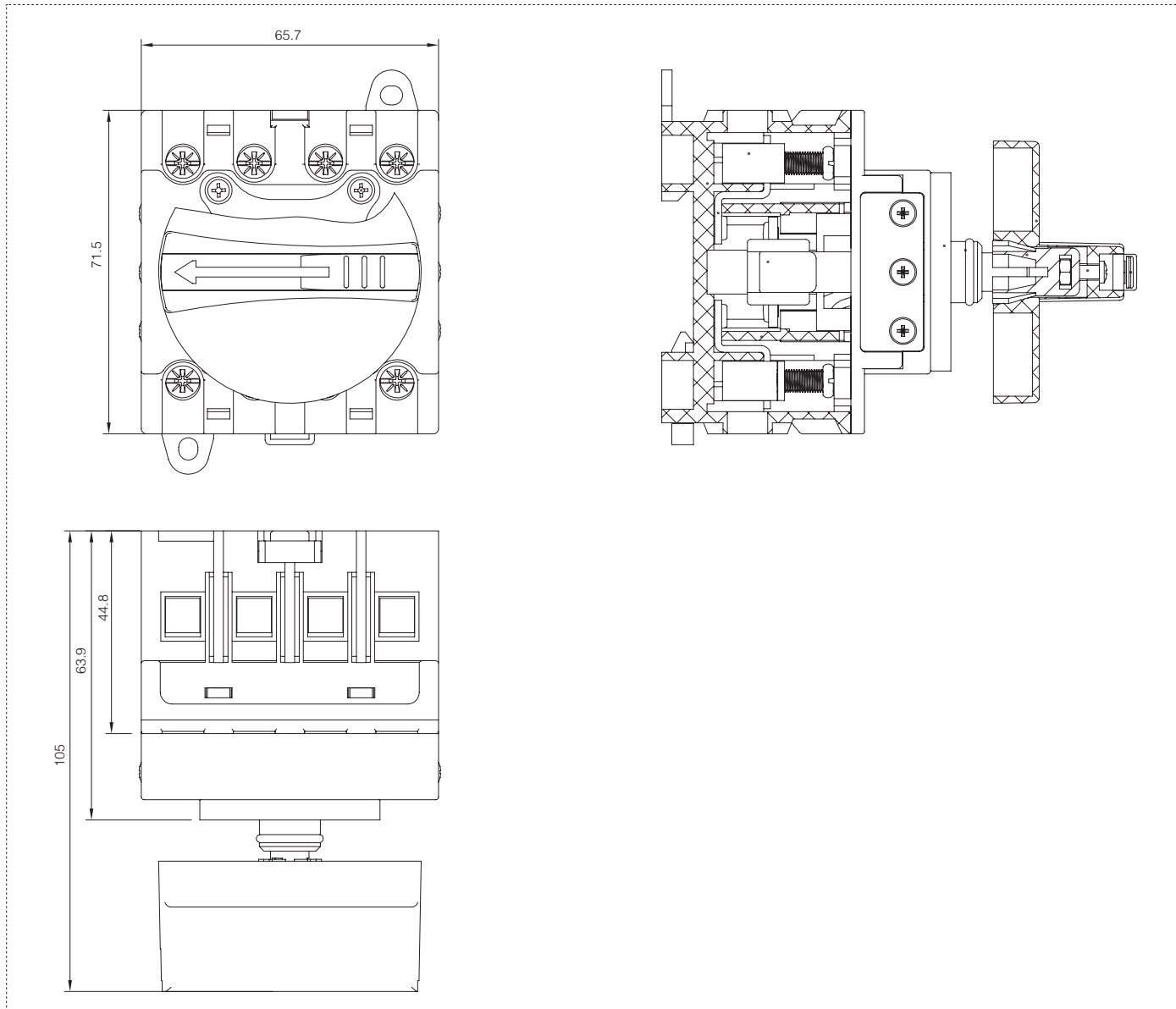


-40°C~+85°C Ambient temperature range



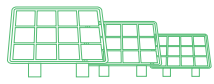
Non-polar design

DIMENSIONAL DRAWING(MM)



Testing Complies with AS 60947.3:2018, EN IEC 60947-3 :2021, Utilization Category: DC-PV2

600V	800V	1000V	1200V	1500V	Pole	No. of Strings	Part Number
PV2	PV2	PV2	PV2	PV2			
32	32	25	16	6	2	1	LONQ-40-2
32	32	25	16	6	4	1	LONQ-40-4
32	32	32	32	23	4	1	LONQ-40-4S
32	32	32	32	23	4	1	LONQ-40-4B
32	32	32	32	23	4	1	LQNQ-40-4T



Switching Configuration

Type	PEDSC100R/120R	Contacts Wiring graph	Switching example
2-Pole	2		
4-Pole	4		
4-Pole with Input and Output on top	4T		
4-Pole with Input and Output bottom	4B		
4-Pole with Input on top Output bottom	4S		

**DC Isolated Switch
LONQ-40**



SPECIFICATIONS

Rated Operating Voltage : DC0-1500V
 Poles: 2P/4P
 Max Current: 32A
 Mechanical Life: 10,000
 times IP Rating: IP66

Connection Type: M12,M20, MC4
 Solar connector Working Temperature: -5 ° C-+60 ° C
 Standard: IEC 60947-3,AS 60947-3
 Operating Temperature: -40°C to +85°C
 Operating Altitude: 2000 Meter

MAIN FUNCTIONS Quickly

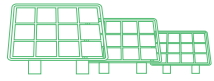
disconnect DC power from your solar array to the charge controller batteries and/or inverter during system installation or any maintenance. It is designed according to IEC60947-1&3 standard photovoltaic DC isolation switch for solar combiner box up to 1500VDC Used to install between the solar panel and the solar charge controller,between the solar panel and the inverter ,between the solar panel and solar panel.

SAFE ISOLATION

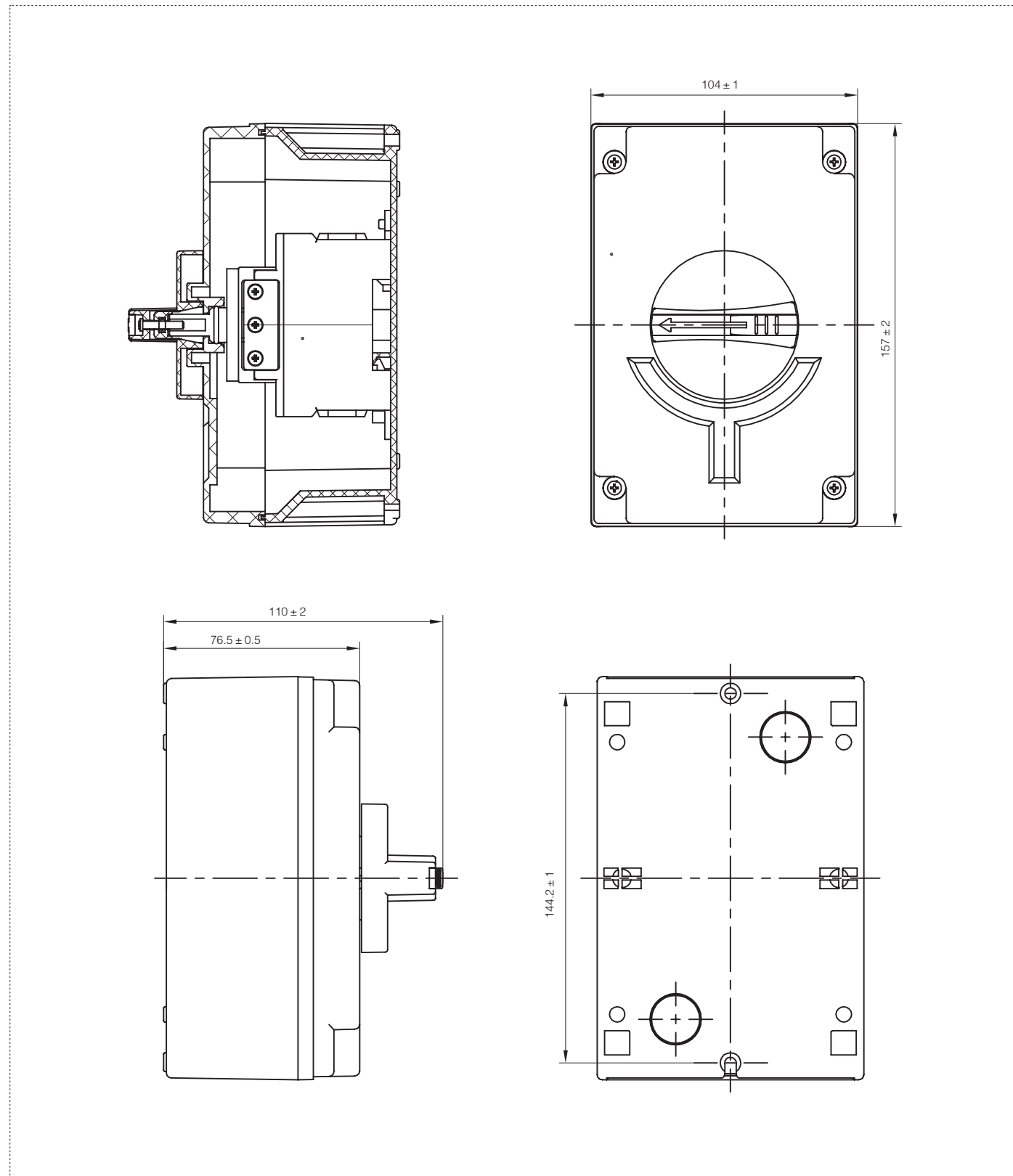
pre-wired DC isolator with MC4 connectors for faster and safer installation. The load is disconnected up to 8 times rated current which is ideal choice for any electrical isolation requirements such as repair, maintenance, inspection, installation, etc HIGH SECURITY This solar disconnect switch provide a Comprehensive Isolation Switch with independent and enclosed form and the padlock make it locks in OFF position and is tamper-proof. Compact design and does not take up too much space. IP 66 waterproof, durable construction excellent weather resistance (-40F-185F) UV resistance UL 746C Suitable for outdoor use Protect your PV DC isolator switch from rain and dust and other weather factors COMPATIBILITY The PV DC isolation switch with solar connector Suitable for solar power system RV, ship and OFF-grid/ON-grid solar system. Specially designed for home solar systems and commercial solar systems.

Product characteristics

Used to Install Between the Solar Panel and the Solar Charge Controller, Between the Solar Panel and the Inverter
 Safe Designed for Home Solar System, Commercial Solar System
 Free System Design and Technical Support Solar Off-Grid System and On-Grid System
 32 A DC Disconnect Switch

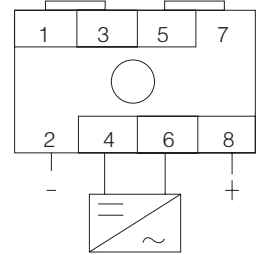
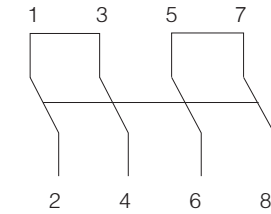


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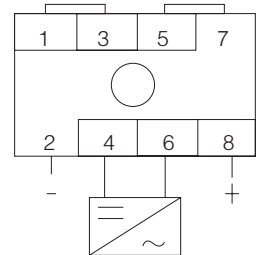
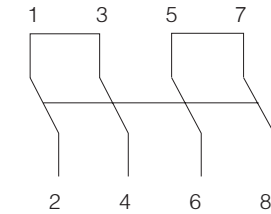


ENCLOSURE DC ISOLATOR

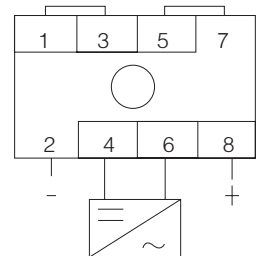
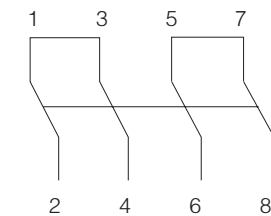
LONQ-40.FM20

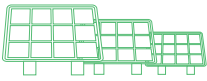


LONQ-40.M12



LONQ-40.MC4



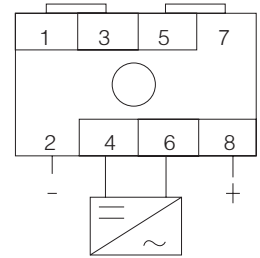
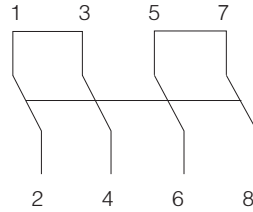


Durable quality

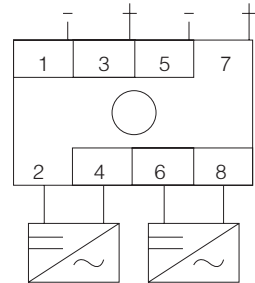
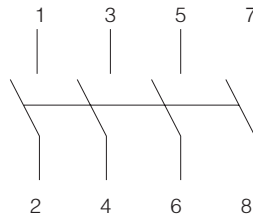


Bright and uniform

LONQ-40.M20



LONQ-40.2MC4



LONQ-40.2-2

