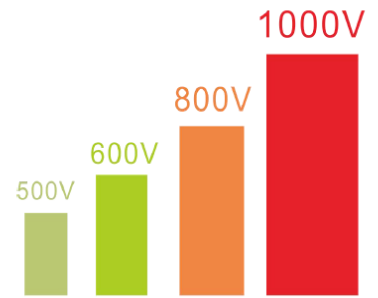




DC Switch Disconnectors for Photovoltaic



A DC Isolator specifically designed to increase safety, while saving installation time and protecting your solar system.

A DC Isolator with Robust and Aesthetically appealing UV resistance enclosure is recommended for all solar installations.

- ✓ UV Rated Weather Shield Enclosure
- ✓ IP66 Protection
- ✓ Superior Aesthetic Design
- ✓ Laser Etched Face
- ✓ High Temperature Resistance
- ✓ Superior Seal, 4 Screw Design
- ✓ Pad Lock Handle and Enclosure
- ✓ Earth Terminal

Specifications

Type	TDCI-32
Max. rated voltage	1000V
Max. rated current	32A
Available in pole versions	2 pole and 4 pole
Extremely short power shut off time	3m/s
Standard	IEC60947-3 DC-21B
Protection degree	IP66
Flammability	UL-94V0
Type of plastic	PC
Temperature range	-40°C~+120°C
UV and chemical resistance	ASTM D4459 of chromatism is ≤ 0.7 after 200h
Non-polarised	Compliance with AS/NZS 5033:2012 clause 4.3.5
Pollution degree	3
Suitability for isolation	Yes
Contact material	Copper plated silver with oxidation resistance
Capping plugs for screws to ensure IP rating after installation	4pcs
Padlockable handle	3 points
Measurement (L*W*H)	187.6*98.6*108.6mm
Terminals	Rising clamp
Cable size	4-16mm ² with flexible or rigid
Terminal screw size	M4
Terminal screw torque	1.2-1.8 Nm
Jumpers supplied	3pcs insulated copper links
Contact	Knife edge self cleaning



DC Switch Disconnectors

Torque required from operator	< 2 Nm
Uimp	8kV
Icm / Icw	1700A 1s / 1700A 1s
Insulation rating	1000V
Contact switching time	< 5m/s
Switching type	Operator independent, rotary
Energy loss @ Imax	0.016KW
Conduit entries	4*25mm threaded
Number of screws on lid	4*304 stainless steel

Switching Configurations

Type	4-pole	2-pole with input on top output bottom	2-pole with input and output bottom	2-pole with input and output on top
TDCI-32	4	4S	4B	4T
Contact Wiring graph				
Switching Example				

Technical Data

Contact Configuration	500V	600V	800V	1000V	Poles in Series	Number of strings	Type Number
	32A	32A	23A	13A	0	2	TDCI-32
	32A	32A	32A	32A	3 + 1	1	TDCI-32
	32A	32A	32A	32A	2 + 2	1	TDCI-32
	32A	32A	32A	32A	2 + 2	1	TDCI-32