



FCL Components' relays support the development of green energy

Sustainability is a major drive for FCL Components' future product development. Combining experience and technology has resulted in a relay portfolio dedicated to alternative energy solutions ranging from relays for heat pumps, solar panels, windpower to energy battery storage systems.




FCL Components has designed the FTR-E1, a high DC contact voltage relay based on the innovative arc extinguishing technology which guarantees reliable contact behaviour.

The FTR-E1's bi-directional switching capability makes it suitable for charging and discharging of electronic circuits. While its compact dimensions makes the FTR-E1 the smallest in its class, measuring just 28.3x43.6x36.8mm. Last but not least the E1 relay has the ability to achieve power consumption reduction by means of applying the holding voltage drive method which contributes to ease in temperature design.





> Product portfolio relays for Battery Energy Storage Systems

Battery Energy storage system	FTR-E1 MF/GR/HA		20A 800VDC 30A 450VDC	Arc cut-off performance No polarity of load side Low power consumption UL certification
	FTR-E1-JE		35A 450VDC	No polarity of load side JET certification (special contact), UL certification
	FTR-E1-TB		20A 800VDC, 30A 450VDC	No polarity of load side Tab terminal
	FTR-E1-HC		60A 400VDC, 50A 450VDC	No polarity of load side High capacity (60A @60°C, 50A @85°C) UL certification
Inverter (DC side)	FTR-E1 MF/GR/HA		20A 800VDC 30A 450VDC	Arc cut-off performance No polarity of load side Low power consumption UL certification
	FTR-E1-JE		35A 450VDC	No polarity of load side JET certification (special contact), UL certification
	FTR-E1-TB		20A 800VDC, 30A 450VDC	No polarity of load side Tab terminal
	FTR-E1-HC		60A 400VDC, 50A 450VDC	No polarity of load side High capacity (60A @60°C, 50A @85°C) UL certification
Inverter (AC side)	FTR-K3		32A-250VAC, 25A-250VAC	1 form A, 1.5mm contact gap (PV/WG) 1.8mm (PS/WS)

More information on FCL Components relays and relay technology can be found on www.fcl-components.com/en

FCL Components Relays

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Creating Customer Centric Technology.

Contact

Japan
Tel: (81-3) 3450-1682
Email: fcl-contact@cs.fcl-components.com

Asia Pacific
Tel: (65) 6375-8560
Email: fcsl@fcl-components.com

North and South America
Tel: (1-408) 745-4900
Email: fcsl.components@fcl-components.com

China
Tel: (86 21) 3253 0998
Email: fcsh@fcl-components.com

Europe, Middle East, Africa
Tel: (31-23) 5560910
Email: info@fcl-components.eu

Hong Kong
Tel: (852) 2881 8495
Email: fcsl@fcl-components.com

www.fcl-components.com/en