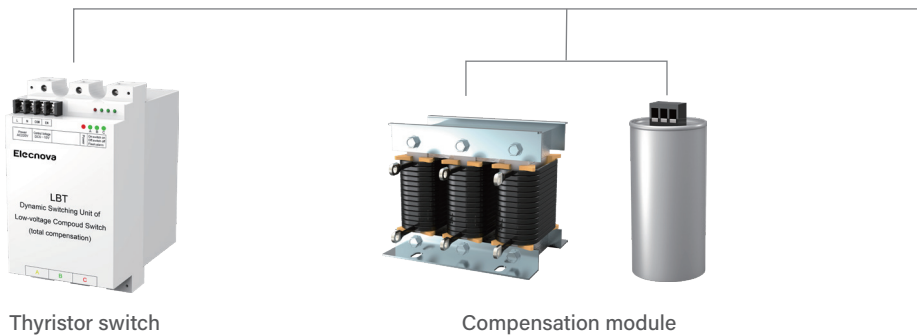


SFR-LCT Series Reactive Power Compensation

 Intelligent and flexible

 Fast response < 20ms










Thyristor switch

Compensation module

SFR-LCT is the integration of the capacitive reactance module and the thyristor switch in a cabinet to improve the power factor for the reactive power compensation and harmonic suppression achievement.

Typical Configuration

Compensation capacity(kvar)	200	300	400	500
Model	SFR-LCT-200/0.4	SFR-LCT-300/0.4	SFR-LCT-400/0.4	SFR-LCT-500/0.4
 PFC	WGK-31-605B	WGK-31-605B	WGK-31-605B	WGK-31-605B
 Power meter	Sfere720	Sfere720	Sfere720	Sfere720
 Dynamic switching unit	LBFK/LBT	LBFK/LBT	LBFK/LBT	LBFK/LBT
 Capacitor bank(kvar)	25 x2	25 x2	50 x8	50 x10
	50 x3	50 x5		
 Reactance rate	7%	7%	7%	7%
 CT	SHI-0.66 x3	SHI-0.66 x3	SHI-0.66 x3	SHI-0.66 x3
 Main MCCB	400A	630A	800A	1000A
Dimensions(mm, WxDxH)	800x1000x2200	800x1000x2200	1000x1000x2200	1000x1000x2200

Model Selection

SFR-LCT - 300 / 0.4

Voltage level (kV)

Compensation capacity (kvar)

Company product model

Technical Specification

Item	Parameters	
Single cabinet compensation capacity	100~500kvar	
AC input	Rated voltage	400 x (1±20%)
	Rated frequency	50Hz±10%
	Wiring method	Three phase four wire
Technical indicators	Target power factor	0.99
	Split-phase compensation capacity	30~100%
	Harmonic compensation times	Specific times
	Response time	≤20ms
	Overload protection	Automatic adjustment
Working mode	Automatic or manual	
Communication interface	RS485	
Protection level	IP20	
Display interface	LCD display	
Altitude requirement	≤1000m, high altitude projects can be customized	
Parallel operation	Available	
Cooling method	Forced air cooling	
Operating ambient	-25°C~45°C, relative humidity 20%~95%, no condensation	
Storage/transport ambient	-40°C~70°C, relative humidity 10%~95%, no condensation	
Single cabinet dimension (mm)	1000x1000x2200	
Noise	<65dB(A)	
Other	Non-standard sizes can be customized, special requirements can contact SFERE	
Compensation module	Capacity: 10~60kvar optional	
	Reactance rate: 7% and 14% optional	