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SET for solar power stations SKY460FOGSIT

Description:

The set for the solar power stations consists of a DC input radio-frequency interference suppression filter, sinusoidal filter, choke and line radio-frequency interference suppression filter. In case of synchronous operation of the inverters is possible to add a three-phase sinusoidal filter consisting of three single-phase chokes.



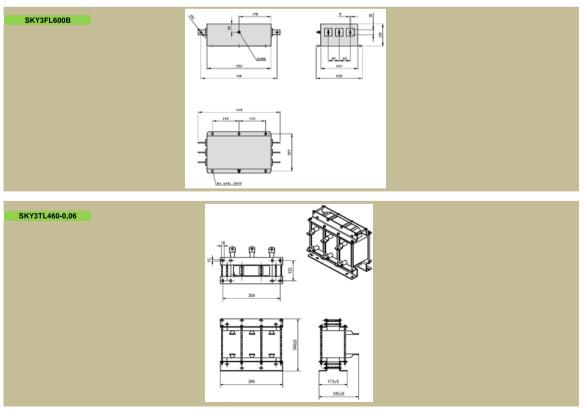
TECHNICAL PARAMETERS :

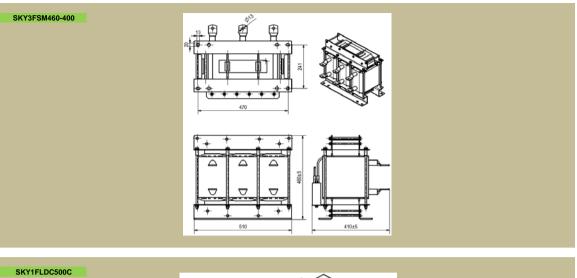
Nominal operating voltage Extent of operating currents Extent of operating temperature : 0°C + 40°C Un : 3x230/400Vac In : 460A

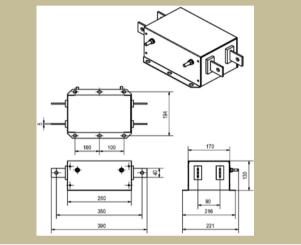
Туре	Nominal current [A]	Nominal voltage	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]					
					length	height	width	pitch	pitch	other
SKY3FL600B	600	3x230/400Vac	11	30x5 Ø11	448	135	252	290	227	9x16
SKY3TL460-0,06	460	3x230/400Vac	85	lug 240x12	380	340	242	350	133	10x18
SKY3FSM460-400	460	3x230/400Vac	165	lug 300x12	510	460	410	470	241	13x20
SKY1FLDC500C	500	1200Vdc	14	40x5	390	130	221	200	194	11x15

* After a deal there is a possibility of modification of the filter construction according to the customer's request.

Dimensional drawing :







Attenuation characteristics:

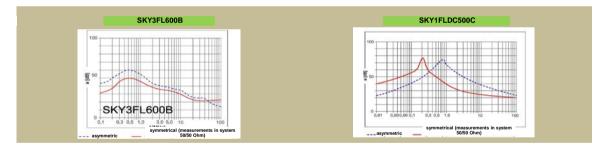
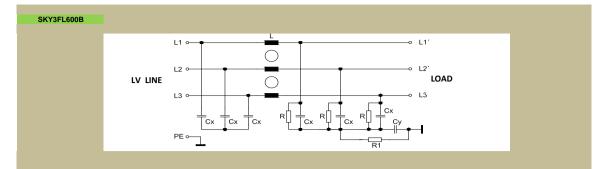
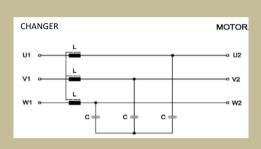


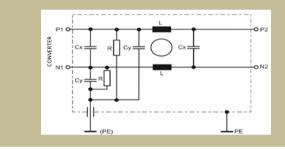
Diagram:



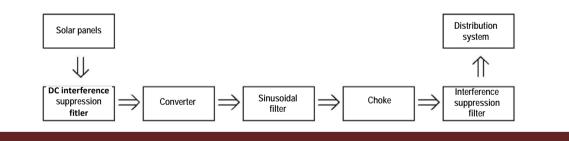
SKY3FSM460-400



SKY1FLDC500C



Principle diagram:



Dimensioning, wiring:

The DC interference suppression filter is supposed to be wired between the solar panels and converter. A low-frequency LCL filter, which consists of the sinusoidal filter and output choke, is supposed to be wired to the output side of the converter. The LC sinusoidal filter creates sinusoidal voltage from PWM converter. The L choke reduces inrush currents between the solar power station and LV line. The radio-frequency interference suppression filter, which reduces size of radio-frequency interference to distribution system from the converter, is supposed to be wired behind the output low-frequency LCL filter.