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SET for solar power stations SKY72FOGSIT

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.



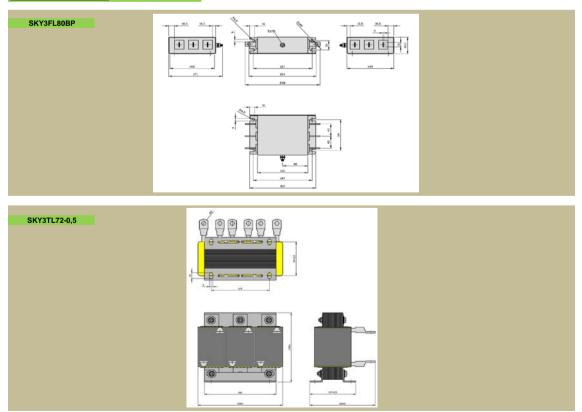
TECHNICAL PARAMETERS :

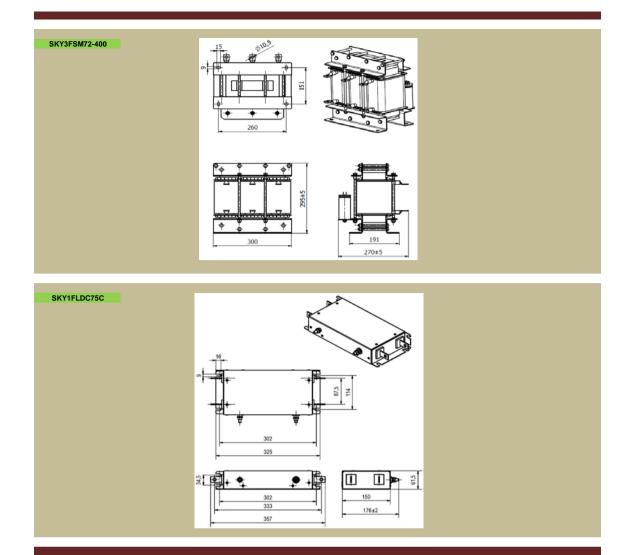
Nominal operating voltage Extent of operating currents Extent of operating temperature : 0°C + 40°C Un : 3x230/400Vac In : 72A

Туре	Nominal current [A]	Nominal voltage	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]]
										other
					length	height	width	pitch	pitch	Uner
SKY3FL80BP	80	3x230/400Vac	2,2	20x3 Ø9	238	61,5	171	187	114	9x16
SKY3TL72-0,5	72	3x230/400Vac	14,3	lug 50x8	210	179	160	175	97	9x15
SKY3FSM72-400	72	3x230/400Vac	38	lug 50x10	300	295	270	260	151	9x15
SKY1FLDC75C	75	1200Vdc	3,8	20x3	357	61,5	176	302	114	9x16

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

Dimensional drawing :





Attenuation characteristics:

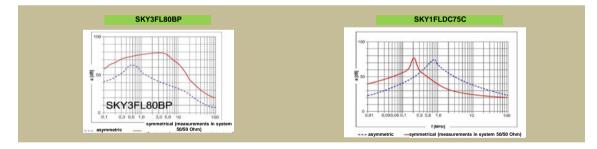
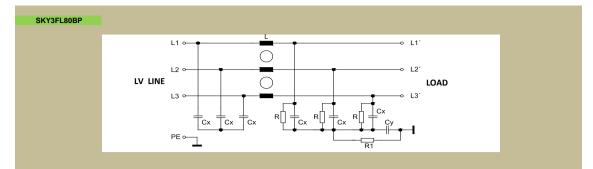
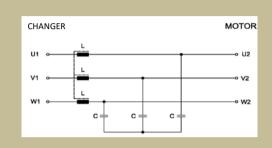
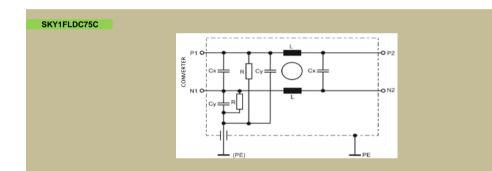


Diagram:

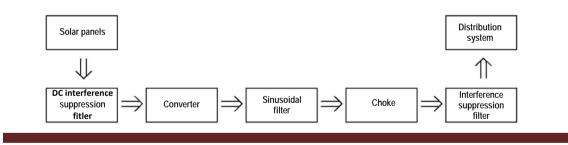


SKY3FSM72-400





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.