



SET for solar power stations

SKY260FOGSIT

Description:

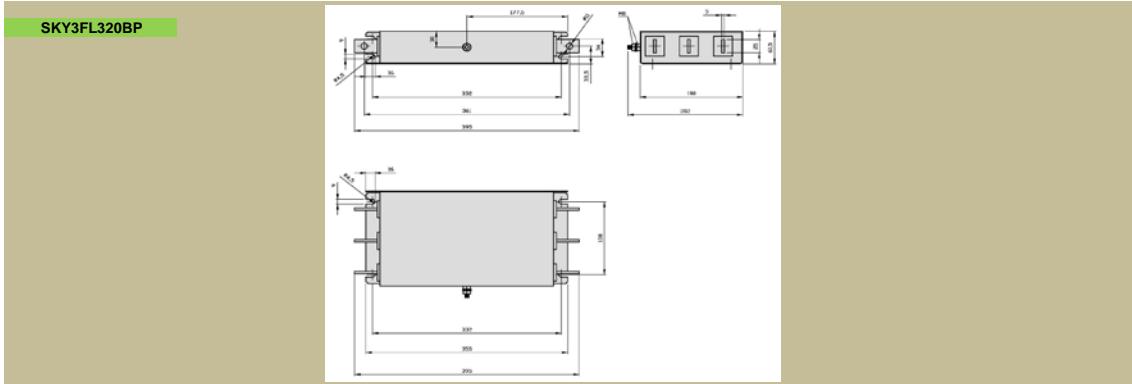
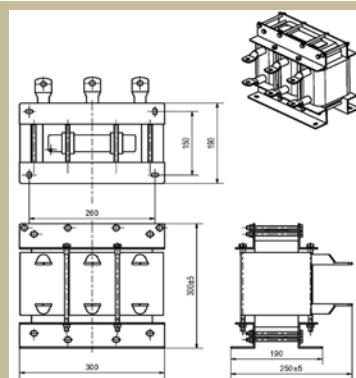
The set for the solar power stations consists of a DC input radio-frequency interference suppression filter, sinusoidal filter, choke and line radio-frequency interference suppression filter. In case of synchronous operation of the inverters is possible to add a three-phase sinusoidal filter consisting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

**TECHNICAL PARAMETERS :**

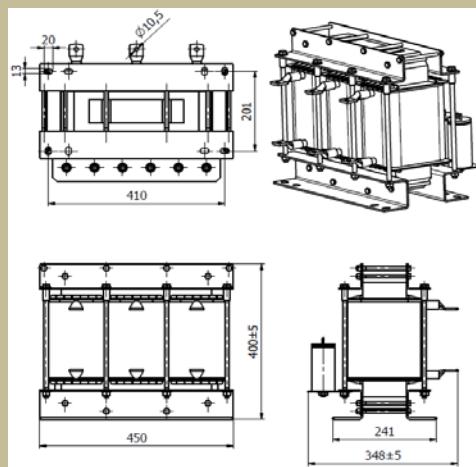
Nominal operating voltage Un : 3x230/400Vac
Extent of operating currents In : 260A
Extent of operating temperature : 0°C + 40°C

Type	Nominal current [A]	Nominal voltage	Weight [kg]	Conductor cross section [mm ²]	basic dimensions [mm]					
					length	height	width	pitch	pitch	other
SKY3FL320BP	320	3x230/400Vac	7,2	25x5 Ø11	395	61,5	202	332	138	9x16
SKY3TLT300-0,1	300	3x230/400Vac	57,4	Iug 185x12	300	295	250	260	150	9x15
SKY3FSM260-400	260	3x230/400Vac	96	Iug 150x10	450	400	348	410	201	13x20
SKY1FLDC300C	300	1200Vdc	5,2	20x3	364	61,5	176	302	114	9x16

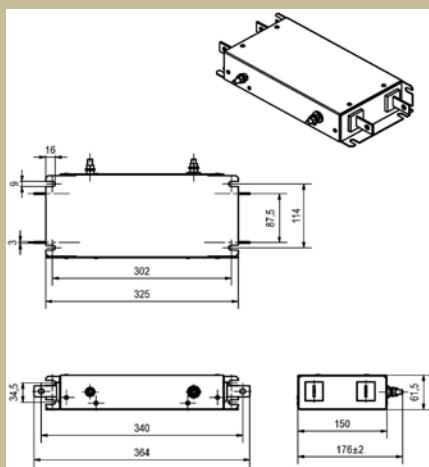
* After a deal there is a possibility of modification of the filter construction according to the customer's request.

Dimensional drawing :**SKY3TLT300-0,1**

SKY3FSM260-400

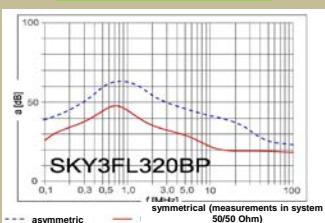


SKY1FLDC300C



Attenuation characteristics:

SKY3FL320BP



SKY1FLDC300C

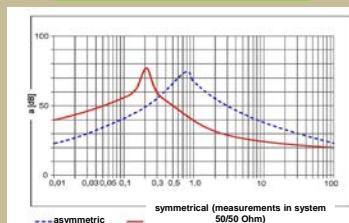
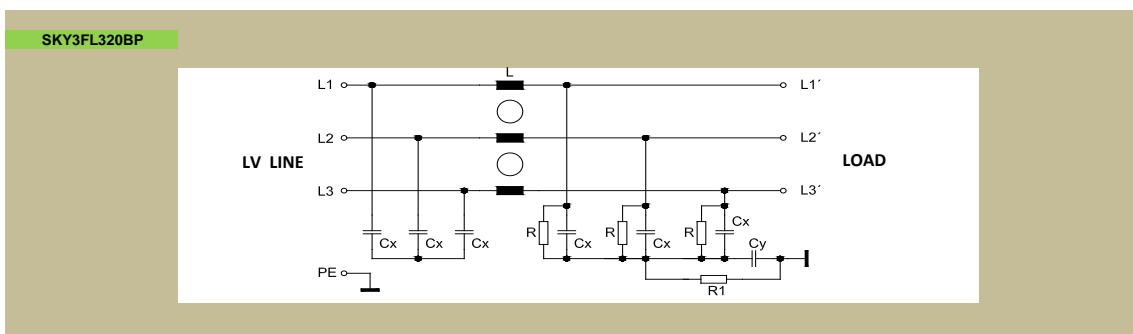
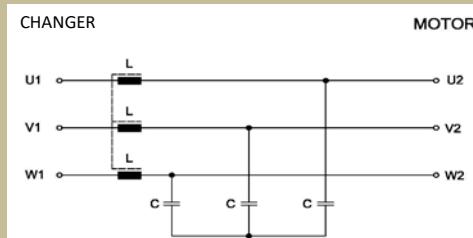
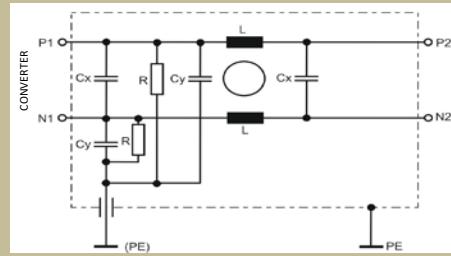
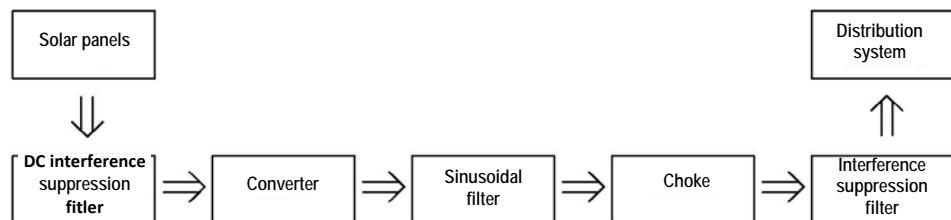


Diagram:**SKY3FSM260-400****SKY1FLDC300C****Principle diagram:****Dimensioning, wiring:**

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.