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SUMMARY SPECIFICATION

Model Number	Input Voltage	Output Voltage	Setting Range	Output Current	Current Limit	Cooling	Dimensions
F2905SC	176 – 264V a.c.	27.4V	25 – 29V	0 – 56A	56 – 62A	Convection	160 x 245 x 450 mm 6.30 x 9.65 x 17.72 in.
F2905SCN		27.4V	25 – 29V	0 – 56A	56 – 62A	Convection	120 x 245 x 450 mm 4.72 x 9.65 x 17.72 in.
F2905SXE	176 – 264V a.c.	54.9V	52 – 58V	0 – 28A	28 – 31A	Convection	160 x 245 x 450 mm 6.3 x 9.65 x 17.72 in.
F2905SXN		54.9V	52 – 58V	0 – 28A	28 – 31A	Convection	120 x 245 x 450 mm 4.72 x 9.65 x 17.72 in.
F2905SX		54.9V	52 – 58V	0 – 28A	28 – 31A	Convection	160 x 245 x 450 mm 6.30 x 9.65 x 17.72 in.
F2905RX		54.9V	52 – 58V	0 – 28A	28 – 31A	Convection	481.6 x 245 x 450 mm 19.00 x 9.65 x 17.72 in.

INPUT SPECIFICATION

Input Voltage	176 – 264V r.m.s.
Frequency	45 – 66Hz
Supply Type	Single phase TN-S system (as defined in IEC364).
Efficiency	Greater than 85% for output loads in excess of 50% I_{MAX} . Typically 87%.
Power Factor Correction	All models meet the requirements of EN61000-3-2.

OUTPUT SPECIFICATION

Voltage	Nominal output voltage is shown in the table of models above. Alternative output voltage settings are possible over the setting range shown in the Summary Specification.
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Current

Continuous output current is available up to the current limit point, I_{LIM} , over the full operating temperature range of the unit. For test purposes, measurements are made at the maximum rated output current, I_{MAX} .

Combined Regulation

A worst case combination of input voltage variation between 176V and 264V and an output load variation between zero and I_{MAX} results in an output voltage deviation of less than 0.1% V_{NOM} .

Ripple and Noise

The wideband differential output noise over the frequency range 10Hz – 100MHz does not exceed 50mV r.m.s. individual harmonics to do not exceed 2mV r.m.s. (typically 200 μ V). The psophometrically weighted noise, in accordance with C.C.I.T.T. No 1, does not exceed 2mV r.m.s. The SX and SXE versions also meet the requirements of BTR2511 issue 3.