

Obudowa izolacyjna n/r IP65

FD101

CH10x38
90V
20A
2P

FD102

OP
W. C 3P
20x A 4x V

PE

String 1+
F/A1

String 1-
F/A1

String 1+
F/A1

String 1-
F/A1

PV1
500W

PV2
500W

PV3
500W

PV16
500W

KABEL SOLARNY 1x6mm2 140m

The diagram illustrates a photovoltaic system with a transformer and two inverters. At the top, a transformer is shown with a primary winding connected to a 230V AC source and a secondary winding connected to a 12V DC source. The transformer is labeled with technical specifications: CH10x38, 20A, 2P, and 12V. Below the transformer, a circuit breaker (FD101) is connected to the 12V DC line. The system is divided into two main sections by a dashed line. The left section contains three solar panels (PV17, PV18, PV19) connected in parallel to a single inverter (FD102). The right section contains one solar panel (PV12) connected to a second inverter. The inverters are labeled with technical specifications: OP, 12V, 20A, 2P, and 12V. The system is connected to a 230V AC grid through a meter (WEJSCIE) and a fuse (F/A2). The ground connection is marked with a lightning bolt symbol and the letter 'PE'. The cable length is specified as 150m.

The diagram shows a power distribution system. On the left, a PE ground symbol is connected to a common ground line. A transformer is represented by two dashed boxes: FD101 (top) and FD102 (bottom). FD101 has terminals 1, 2, 3, and 4. FD102 has terminals 1, 2, 3, and 4. A cable labeled 'CH10x3B' with specifications 'gPV', '20A', and '2P' connects the two transformers. On the right, a PV array is shown with three panels: PV49 (500W), PV34 (500W), and PV33 (500W). The PV array is connected to a 'KABEL SOLARNY 1x6mm2 160m' cable. The cable has two main lines: 'String 3+ F/A3' and 'String 3- F/A3'. The 'String 3+' line is connected to the positive terminal of the PV array and the positive terminal of the transformer FD102. The 'String 3-' line is connected to the negative terminal of the PV array and the negative terminal of the transformer FD102. The transformer FD101 is connected to the 'String 3+' line. The transformer FD102 is connected to the 'String 3-' line. The transformer FD101 is also connected to the 'String 3+' line. The transformer FD102 is also connected to the 'String 3-' line.

The diagram illustrates the electrical connections for a photovoltaic system. On the left, a transformer (FD101) with a ratio of 1:1 is connected to a 230V AC source. The secondary winding is connected to a solar inverter (FD102) with a maximum power of 3.6 kW and a maximum current of 20 A. The inverter is connected to a PV array consisting of three 500W panels (PV49, PV50, PV51) and one 500W panel (PV66). The PV array is connected to a solar inverter (FD102) with a maximum power of 3.6 kW and a maximum current of 20 A. The inverter is connected to a PV array consisting of three 500W panels (PV49, PV50, PV51) and one 500W panel (PV66). The PV array is connected to a solar inverter (FD102) with a maximum power of 3.6 kW and a maximum current of 20 A. The inverter is connected to a PV array consisting of three 500W panels (PV49, PV50, PV51) and one 500W panel (PV66).

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EF - 3