P3120-3D MBI-3-Phase converter

This device is used mainly in conjunction with the MBI-rechargeable battery 6 V/10 Ah magnetic P3120-1B, or MBI-fixed voltage transformer magnetic P3120-1N, for carrying out experiments with three-phase current. Even if no three-phase power mains is available in the physics lab, this device allows for essentially all school physics experiments with three-phase current to be done and may be used either on the magnetic panel or on a table.

Note especially the connection to the MBI-rechargeable battery 6 V/10 A, since often no power outlet is conveniently available nearby when doing experiments on a magnet board.

The converter provides three phases of AC voltage in either a star or delta circuit with a frequency cycle of 70 Hz.
The voltage amounts to 13 or 23 Veff and the phases are shifted at angles of 120 or 240 degrees to each other.

Technical Data:

Power supply:	6 to 15 V, stabilized, min. 5 A briefly Recommended: P3120-1N MBI-fixed voltage transformer or P3120-1B MBI-rechargeable battery, 6 V/10 Ah
Output:	4x 4 mm safety receptacles in delta and star circuits 3 x 13 Veff 3 x 23 Veff up to 500 mAeff load, continuous short-circuit protection 3 mm LED indicator for power source voltage
Case:	Plastic, ABS
Dimensions:	approx. 160 x 120 x 45 mm
Weight:	approx. 570 g

With the L-shaped assembly platform P3120-4A (height: 240 mm) the MBI-3-phase converter in connection with the MBI-rechargeable battery 6 V/ 10 Ah or MBI-fixed voltage transformer can easily be converted into a “table-model”.