

## Summarized data sheet

Synchronous 3-pase generators with permanent excitation,  
 suitable for supply network feeding with SMA inverters

Application: **Small hydro-electric installations**

Type	Power (kW)	Nominal speed (rpm)	Nominal voltage (V) *
DSG P 112.14-10	2.0	750	300 DC
DSG P 112.14-10	3.0	1000	350 DC
DSG P 132.16-10	2.7	600	350 DC
DSG P 112.16-10	4.0	800	270 DC
DSG P 112.16-10	5.0	1000	270 DC
DSG P 160.20-10	6.0	350	270 DC
DSG P 160.20-10	8.0	500	270 DC
DSG P 200.25-10	15.0	300	270 DC
DSG P 200.25-10	32.7	600	550 DC

\* Nominal voltages up to 600 V can be implemented.

All generators are fitted with a rectifier in the terminal box. The generator produces a DC voltage at the output. Separate rectifier for DSG P 200.25-10 !

- Generators in all sizes. Prices on request.
- SMA inverters. Prices on request.

**Overvoltage protection control** to protect the inverter by offloading the generator in the event of a supply network failure or disconnection of the inverter from the supply network. The offloading is achieved by feeding the generator output to a ballast resistor in order to hold the voltage down to an acceptable level.

1 overvoltage protection control for one SMA Windyboy inverter, mounted in a KM insulating housing with transparent cover, enclosure protection IP65, approx. dimensions 250 x 375 x 150 mm.

- Prices on request

**Ballast resistor** in zinc-plated housing with terminal box B, enclosure protection IP20 (when properly screwed in place)

Power (kW)	2.0	3.0	4.0	5.0	6.0	8.0

- Prices on request

**Functional testing** of generators, inverters, ballast resistors and overvoltage protection controls is carried out in our test department at rated values.

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