



YOUR BENEFITS

- Data logger with WLAN function, Ethernet and own webserver
- Direct connection of the ripple control signal receiver and other inputs and outputs
- Compact, lightweight and easy to install thanks to SnapInverter technology
- Energy management and dynamic 70% control with smart meter
- High system voltage and two fast and flexible MPP trackers

Fronius Symo Series

Inverter type	Symo 3.0-3-S	Symo 3.7-3-S	Symo 4.5-3-S	Symo 3.0-3-M	Symo 3.7-3-M	Symo 4.5-3-M	Symo 5.0-3-M	Symo 6.0-3-M	Symo 7.0-3-M	Symo 8.2-3-M
Item number	236770	236771	236772	236780	236781	236782	236783	236784	236785	236786
Technical data										
Nominal output power P_N [W]	3000	3700	4500	3000	3700	4500	5000	6000	7000	8200
Max. apparent power S_{max} [VA]	3000	3700	4500	3000	3700	4500	5000	6000	7000	8200
Max. DC power P [Wp]	4500	5500	6700	4500	5500	6700	7500	9000	10500	12300
Max./Europ. efficiency [%]	98.0/96.2	98.0/96.7	98.0/97.0	98.0/96.5	98.0/96.9	98.0/97.2	98.0/97.3	98.0/97.5	98.0/97.6	98.0/97.7
MPP voltage range [V]	200–800	250–800	300–800	150–800	150–800	150–800	163–800	195–800	228–800	267–800
Max. input voltage [V]	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Start input voltage [V]	200	200	200	200	200	200	200	200	200	200
Max. current per input [A]	16.0	16.0	16.0	16.0/16.0	16.0/16.0	16.0/16.0	16.0/16.0	16.0/16.0	16.0/16.0	16.0/16.0
Power factor cos φ ind./cap.	-0.7/0.7	-0.7/0.7	-0.7/0.7	-0.85/0.85	-0.85/0.85	-0.85/0.85	-0.85/0.85	-0.85/0.85	-0.85/0.85	-0.85/0.85
Dimensions and specifications										
Width/Height/Depth [mm]	431/645/204	431/645/204	431/645/204	431/645/204	431/645/204	431/645/204	431/645/204	431/645/204	431/645/204	431/645/204
Weight approx. [kg]	16	16	16	20	20	20	20	20	22	22
Grid connection	three-phase	three-phase	three-phase	three-phase	three-phase	three-phase	three-phase	three-phase	three-phase	three-phase
Topology	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless
Number of MPP trackers	1	1	1	2	2	2	2	2	2	2
Number of DC inputs	3	3	3	2/2	2/2	2/2	2/2	2/2	2/2	2/2
DC connection	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals	screw terminals
IP protection class	65	65	65	65	65	65	65	65	65	65
Interfaces	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0	USB, RS422, relay, S0
Special feature ¹	data logger	data logger	data logger	data logger	data logger	data logger	data logger	data logger	data logger	data logger

¹ With WLAN, analogue and digital inputs and outputs as well as RS485. Also available as a light version.