

String inverter list for usage with Solibro Modules - Solibro CIGS solar modules SL1, SL1-F and SL2

This document lists inverter systems approved for use with Solibro CIGS modules. The release of this document is dependent on the assurance of proper installation based on the requirements of the respective module configuration and inverter manufacturers' guidelines. Approval of the following listed inverter is based upon and in accordance with the datasheet effective at the time of evaluation. Changes in the inverter specification lead automatically to Non-Approval. Compliance with country specific standards of the listed inverters has to be reviewed by the installer. Solibro reserves the right to change the approval as well as the requirements for the inverter. For approval of central inverters please contact the Solibro Service: service@solibro-solar.com

Inverter	Type	Euro Efficiency	DC Power [Wp]	AC Power [VA]	Max. Input Voltage [V]	Operating Voltage [V]	Max modules in series (SL2) ¹	Soft Grounding (always negative)	Comments
Sunways	AT 2700	94,7%	2850	2700	680	181-600	6	No negative potential due to HERIC configuration	Consisting of a DC actuator with downstream HERIC inverter. The negative terminal of the solar generator is connected with the N network. Single-phase supply, three-phase power monitoring.
Sunways	AT 3000	94,8%	3150	3000	680	203-600	6		
Sunways	AT 3600	94,9%	3800	3600	680	242-600	6		
Sunways	AT 4500	95,0%	4750	4500	680	214-600	6		
Sunways	AT 5000	95,0%	5500	4600	680	236-600	6		
Fronius	IG Plus 25	94,6%	2750	2500	600	230-500	5	Mandatory with resistor grounding kit - negative	Negative grounding via 100 kOhm resistor mandatory.
Fronius	IG Plus 30	94,8%	3170	3000	600	230-500	5		
Fronius	IG Plus 35	95,0%	3710	3500	600	230-500	5		
Fronius	IG Plus 50	95,0%	4260	4600	600	230-500	5		
Fronius	IG Plus 55	94,9%	5250	5000	600	230-500	5		
Fronius	IG Plus 60	95,0%	6300	6000	600	230-500	5		
Fronius	IG Plus 70	95,1%	6880	6500	600	230-500	5		
Fronius	IG Plus 80	95,1%	7360	7000	600	230-500	5		
Fronius	IG Plus 100	95,2%	8520	8000	600	230-500	5		
Fronius	IG Plus 120	95,4%	10590	10000	600	230-500	5		
Fronius	IG Plus 150	95,4%	12770	12000	600	230-500	5		
Fronius	CL 36	95,3%	38600	36000	600	230-500	5		
Fronius	CL 48	95,4%	51400	48000	600	230-500	5		
Fronius	CL 60	95,5%	64400	60000	600	230-500	5		
Santerno	M Plus 2600 E	92,6%	2140	2010	600	156-585	5	Mandatory with resistor grounding kit - negative	Negative grounding via 130 kOhm resistor mandatory.
Santerno	M Plus 3600	92,6%	2930	2760	600	260-585	5		
Santerno	M Plus 3600 E	93,1%	2930	2760	600	156-585	5		
Santerno	M Plus 4300	94,1%	3470	3290	600	260-585	5		
Santerno	M Plus 4300 E	93,1%	3470	3290	600	156-585	5		
Santerno	M Plus 5300	94,8%	4230	4100	600	260-585	5		
Santerno	M Plus 6400	95,1%	5060	4900	600	260-585	5		
Santerno	M Plus 7800	94,8%	6170	5980	600	260-585	5		
Danfoss	TLX (Pro)+ 6kW	96,5%	6200	6000	1000	260-800	9		
Danfoss	TLX (Pro)+ 8kW	97,0%	8240	8000	1000	345-800	9		
Danfoss	TLX (Pro)+ 10kW	97,0%	10300	10000	1000	430-800	9		
Danfoss	TLX (Pro)+ 12.5kW	97,3%	12900	12500	1000	385-800	9		
Danfoss	TLX (Pro)+ 15kW	97,4%	15500	15000	1000	430-800	9		

¹ Calculation of max. number of modules in series is based on -10 °C module temperature and 1000 W/m² irradiation.