

SINVERT 500 M TL (328 V AC)

Description:

Power conditioning unit with three-phase output for grid parallel operation; consisting of IGBT inverter, DC/AC distribution and SIMATIC S7 controller; MPP tracking for optimum utilisation of PV field power; VAR control in three-phase network (optional); integrated control panel with display of operating states and actual values; manual/automatic switch-over by integrated key-switch; isolation monitoring with selective fault allocation and safety disconnection; visualization and service software PowerProtect solar; interface for process visualization and integration in management systems via Ethernet, for example for WinCC; Data logger with mini webserver (optional); cabinets for floor mounting; forced ventilation by fan; air intake at lower front and through bottom; air discharge through the cabinet roof; cable entry at base from below. According to standard EN 60439-1.

Technical data:

Grid interface	3~ 328 V; 50 Hz	
Rated output power (AC)	500 kVA	(at 515 V DC, 30 °C, cos phi = 1)
Rated output current (AC)	881 A	
MPP voltage range (DC)	515 - 750 V	
Maximum system voltage (DC)	900 V	(1000 V DC optional)
Rated input power (DC)	513 kW	(at 515 V DC)
Rated input current (DC)	1000 A	
Number of DC inputs	4	
Maximum current per DC input	250 A	
Eta EU	97,7 %	
Eta max	98,2 %	
Power consumption at night	45 W	
Max. current auxiliary power (AC)	8 A (optional)	(per machine)
Number of machines	1	
Dimension (H x W x D)	2002 x 2718 x 834 mm	(per machine)
Weight	1700 kg	(per machine)
Colour	light grey (RAL 7035)	
Temperature range	0 - 50 °C	(up to 1000 m above sea level)
Air consumption	4800 m ³ /h	(per machine)
Climate rating	EN 60721-3-3 (3K3)	
Degree of protection	IP 20	
Noise level	< 80 dB (A)	(per machine)
EMC - immunity	EN 61000-6-2	
Harmonics	EN 61000-3-4	

SINVERT 1000 MS TL (328 V AC)

Description:

Power conditioning unit with three-phase output for grid parallel operation; consisting of IGBT inverter, DC/AC distribution and SIMATIC S7 controller; MPP tracking for optimum utilisation of PV field power; VAR control in three-phase network (optional); integrated control panel with display of operating states and actual values; manual/automatic switch-over by integrated key-switch; isolation monitoring with selective fault allocation and safety disconnection; visualization and service software PowerProtect solar; interface for process visualization and integration in management systems via Ethernet, for example for WinCC; Data logger with mini webserver (optional); cabinets for floor mounting; forced ventilation by fan; air intake at lower front and through bottom; air discharge through the cabinet roof; cable entry at base from below. According to standard EN 60439-1.

Technical data:

Grid interface	3~ 328 V; 50 Hz	
Rated output power (AC)	1000 kVA	(at 515 V DC, 30 °C, cos phi = 1)
Rated output current (AC)	1762 A	
MPP voltage range (DC)	515 - 750 V	
Maximum system voltage (DC)	900 V	(1000 V DC optional)
Rated input power (DC)	1026 kW	(at 515 V DC)
Rated input current (DC)	2000 A	
Number of DC inputs	8	
Maximum current per DC input	250 A	
Eta EU	98,0 %	
Eta max	98,2 %	
Power consumption at night	45 W	
Max. current auxiliary power (AC)	8 A (optional)	(per machine)
Number of machines	2	
Dimension (H x W x D)	2002 x 2718 x 834 mm	(per machine)
Weight	1700 kg	(per machine)
Colour	light grey (RAL 7035)	
Temperature range	0 - 50 °C	(up to 1000 m above sea level)
Air consumption	4800 m ³ /h	(per machine)
Climate rating	EN 60721-3-3 (3K3)	
Degree of protection	IP 20	
Noise level	< 80 dB (A)	(per machine)
EMC - immunity	EN 61000-6-2	
Harmonics	EN 61000-3-4	

SINVERT 1500 MS TL (328 V AC)

Description:

Power conditioning unit with three-phase output for grid parallel operation; consisting of IGBT inverter, DC/AC distribution and SIMATIC S7 controller; MPP tracking for optimum utilisation of PV field power; VAR control in three-phase network (optional); integrated control panel with display of operating states and actual values; manual/automatic switch-over by integrated key-switch; isolation monitoring with selective fault allocation and safety disconnection; visualization and service software PowerProtect solar; interface for process visualization and integration in management systems via Ethernet, for example for WinCC; Data logger with mini webserver (optional); cabinets for floor mounting; forced ventilation by fan; air intake at lower front and through bottom; air discharge through the cabinet roof; cable entry at base from below. According to standard EN 60439-1.

Technical data:

Grid interface	3~ 328 V; 50 Hz	
Rated output power (AC)	1500 kVA	(at 515 V DC, 30 °C, cos phi = 1)
Rated output current (AC)	2643 A	
MPP voltage range (DC)	515 - 750 V	
Maximum system voltage (DC)	900 V	(1000 V DC optional)
Rated input power (DC)	1539 kW	(at 515 V DC)
Rated input current (DC)	3000 A	
Number of DC inputs	12	
Maximum current per DC input	250 A	
Eta EU	98,0 %	
Eta max	98,2 %	
Power consumption at night	45 W	
Max. current auxiliary power (AC)	8 A (optional)	(per machine)
Number of machines	3	
Dimension (H x W x D)	2002 x 2718 x 834 mm	(per machine)
Weight	1700 kg	(per machine)
Colour	light grey (RAL 7035)	
Temperature range	0 - 50 °C	(up to 1000 m above sea level)
Air consumption	4800 m ³ /h	(per machine)
Climate rating	EN 60721-3-3 (3K3)	
Degree of protection	IP 20	
Noise level	< 80 dB (A)	(per machine)
EMC - immunity	EN 61000-6-2	
Harmonics	EN 61000-3-4	

SINVERT 2000 MS TL (328 V AC)

Description:

Power conditioning unit with three-phase output for grid parallel operation; consisting of IGBT inverter, DC/AC distribution and SIMATIC S7 controller; MPP tracking for optimum utilisation of PV field power; VAR control in three-phase network (optional); integrated control panel with display of operating states and actual values; manual/automatic switch-over by integrated key-switch; isolation monitoring with selective fault allocation and safety disconnection; visualization and service software PowerProtect solar; interface for process visualization and integration in management systems via Ethernet, for example for WinCC; Data logger with mini webserver (optional); cabinets for floor mounting; forced ventilation by fan; air intake at lower front and through bottom; air discharge through the cabinet roof; cable entry at base from below. According to standard EN 60439-1.

Technical data:

Grid interface	3~ 328 V; 50 Hz	
Rated output power (AC)	2000 kVA	(at 515 V DC, 30 °C, cos phi = 1)
Rated output current (AC)	3524 A	
MPP voltage range (DC)	515 - 750 V	
Maximum system voltage (DC)	900 V	(1000 V DC optional)
Rated input power (DC)	2052 kW	(at 515 V DC)
Rated input current (DC)	4000 A	
Number of DC inputs	16	
Maximum current per DC input	250 A	
Eta EU	98,0 %	
Eta max	98,2 %	
Power consumption at night	45 W	
Max. current auxiliary power (AC)	8 A (optional)	(per machine)
Number of machines	4	
Dimension (H x W x D)	2002 x 2718 x 834 mm	(per machine)
Weight	1700 kg	(per machine)
Colour	light grey (RAL 7035)	
Temperature range	0 - 50 °C	(up to 1000 m above sea level)
Air consumption	4800 m ³ /h	(per machine)
Climate rating	EN 60721-3-3 (3K3)	
Degree of protection	IP 20	
Noise level	< 80 dB (A)	(per machine)
EMC - immunity	EN 61000-6-2	
Harmonics	EN 61000-3-4	