

MMB SOLARIX 20.0 T3 GRID INVERTER



DC/AC Grid Inverter

MMB Solarix 20.0 T3 is the ideal inverter for medium-scale commercial and industrial plants. The use of semiconductor transistor based on silicon carbide provides high quality and efficiency of the energy conversion. The high performance grid inverter gets a new addition with the DC/DC MMB String Optimizer.

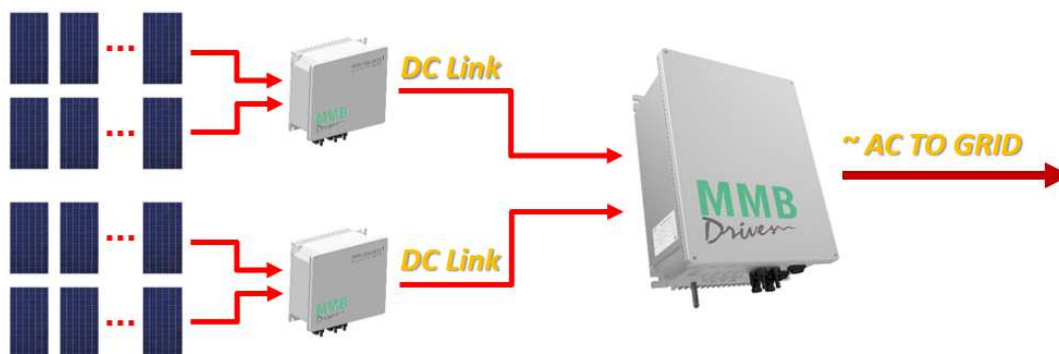
Features:

- Transformerless topology
- High efficiency power conversion with new generation SIC power semiconductor
- Fixed voltage inverter, DC/AC conversion only
- No electrolytic capacitors - increased lifetime
- Meter interface permits dynamic feed-in management
- Passive cooling system
- IP66 protection class
- Small and light weight construction

Benefits for investor:

- Reduce total system cost
- Increase return of investment
- Increase system lifetime performance
- Modular design ensuring highest system availability and reliability

MMB Multi String



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INPUT DATA	20.0 T3 GRID INVERTER
Maximum DC Power (STC Power Module)	24 000 Wp
Maximum Input Voltage	900 V
Nominal Input Voltage	750 V
Max. input current	40 A
OUTPUT DATA	
AC nominal output (Pac,r)	20 000 W
Max. output power	20 000 VA
AC output current (Iac nom)	28,9 A
Grid connection (voltage range)	3~NPE 400 V / 230 V or 3~NPE 480 V (+20 % / -30 %)
Frequency (frequency range)	50 Hz/ 60Hz (45-65 Hz)
Total harmonic distortion	< 2 %
Power factor (cos φac,r)	0.8 - 1 ind. / cap.
Feed-in phases / connection phases	3 / 3
GENERAL DATA	
Dimensions (height x width x depth)	430 x 313 x 240 mm
Weight	~20 kg
Degree of protection - AC inverter	IP66
Ambient temperature	-20 to +55°C
Noise emission	0 dB(A)
Maximum permissible value for relative humidity	100%
Protection class	1
Overvoltage category - DC / AC	2 / 2
Topology / cooling concept - AC inverter	Transformerless / Pasive cooling
Standby consumption	<1W
DC Input	2 x MC4 pairs
EFFICIENCY	
Max. Efficiency	99,1 %
European factor ηEU	98,8 %
PROTECTIVE DEVICES	
Residual Current Detector	30 mA
Overload behaviour	Power limitation
INTERFACES	
RS485	Modbus
CAN	Option
USB (A socket)	Service port, inverter update
Ethernet	LAN
Wireless	RF or Wi -Fi transceiver
Certificates and compliance with standards	VDE AR N 4105, IEC 62109-1/-2, IEC 62116, IEC 61727
Guarantee options:	5 / 10 / 20 years