



EFFICIENT COMMUNICATIONS EXPERT

IBC ServeMaster 6000TL Pro+ - 15000TL Pro+

INVERTER

The three-phase IBC ServeMaster inverter is loaded with cutting-edge technology. The transformerless concept provides maximum efficiency to 98 percent, thus ensuring highest output. Thanks to the ride-through technology, the system also easily tolerates voltage fluctuations that commonly occur in the grid: This means that it does not shut off immediately, but instead remains connected to the grid somewhat longer, thus ensuring that electricity is fed into the grid for as long as possible. In addition, the inverter provides an internal Web server for direct communication with the IBC SolPortal via DSL.

HIGHLIGHTS

- Greater output thanks to maximum system voltage (1,000 volts)
- Maximum efficiency to 98%
- Three-phase grid connection:
 - For lower AC line loss
 - Up to 15.5 kWp can be fed with only one device
- Up to 3 individual DC inputs with separate MPP trackers
- Simple system monitoring thanks to integrated RS485 interface
- Integrated Webserver

TECHNICAL DATA

IBC ServeMaster	6000TL Pro+	8000TL Pro+	10000TL Pro+	12500TL Pro+	15000TL Pro+
Input					
DC-nominal power (W)	6200	8250	10300	12900	15500
Max. input current (A)	12;12	12;12	12;12	12;12;12	12;12;12
Max. input voltage(V)	1000	1000	1000	1000	1000
Min. MPP-voltage at nominal Uac (V)	260	250	250	250	250
Max. MPP-voltage (V)	800	800	800	800	800
Output					
AC-nominal power (VA)	6000	8000	10000	12500	15000
Power factor (cos phi)	ADJUSTABLE	ADJUSTABLE	ADJUSTABLE	ADJUSTABLE	ADJUSTABLE
number of grid input phases	3	3	3	3	3
Min. AC frequency (Hz)	45	45	45	45	45
Max. AC frequency (Hz)	55	55	55	55	55
Min. AC grid voltage (V)	184	184	184	184	184
Max. AC grid voltage (V)	276	276	276	276	276
Degree of efficiency					
Max. efficiency (%)	97,8	97,9	98,0	98,0	98,0
Euro. efficiency (%)	96,5	97,0	97,0	97,3	97,4
Operating consumption in night mode (W)	5	5	5	5	5
Security					
Technology	TRAFOLESS	TRAFOLESS	TRAFOLESS	TRAFOLESS	TRAFOLESS
Conditions					
Ambient temperature (°C)	-25 TO 60	-25 TO 60	-25 TO 60	-25 TO 60	-25 TO 60
Humidity (%)	0 TO 95	0 TO 95	0 TO 95	0 TO 95	0 TO 95
Equipment					
Type of DC-connector	MC4	MC4	MC4	MC4	MC4
DC switch	YES	YES	YES	YES	YES
Protection rating (IP)	54	54	54	54	54
Width (mm)	525	525	525	525	525
Height (mm)	700	700	700	700	700
Depth (mm)	250	250	250	250	250
Weight (kg)	35	35	35	35	35
Output cross section (mm ²)	10	10	10	10	10
Articlenumber	3001000077	3001000069	3001000066	3001000067	3001000068

23.01.2012

- The inverter is already pre-programmed for 23 countries
- Weighs 46% less compared to normal inverters (only 35kg)
- Ride-through technology
- High MPP tracker adaptation efficiency
 - 99,9% static
 - 99,8% dynamic
- Suitable for outdoor use
- For servicing: integrated DC switch
- Requirements of the German Medium-Voltage Directive for ensuring the quality of supply

Your IBC SOLAR partner:

* Product and power warranty in accordance with the version of the full warranty conditions received from your IBC SOLAR partner at the time of installation. This warranty is valid only when the relevant product is installed in accordance with the applicable installation instructions. Subject to modifications that represent progress.