



Model	OST-3000HB
Input (PV DC)	
Maximum PV input power [kW]	4.80
Initial voltage [V]	80
Maximum input voltage* [V]	600*
Rated input voltage [V]	360
MPP voltage range* [V]	100-550*
No MPP Trackers	1
No DC inputs for MPPT	1
Maximum input current [A]	15
Maximum short-circuit current [A]	20
Battery connection	
Battery Type	LiFePO4 (with BMS)
Voltage range [V]	85-450
Maximum charge/discharge current [A]	30/30
Exit	
Rated output power [kW]	3.00
Maximum apparent output power [kVA]	3.30
Maximum apparent input power** [kVA]	6.00
Maximum battery charging power [kW]	3.00
Rated output voltage	L/N/PE; 220/230/240V
Nominal AC mains frequency [Hz]	50/60
Maximum output current [A]	15.00
Power factor	0.8 leading 0.8 lagging
Maximum total harmonic distortion	<3% @Rated output power
DCI	< 0.5% In
Backups	
Nominal output power [kW]	3.00
Max apparent output power [KVA]	3.30
Maximum output current [A]	15.00
Backup mode activation time	<10ms
Nominal output voltage	L/N/PE; 220/230/240V
Nominal output frequency [Hz]	50/60
Harmonic voltage distortion	<3% @Linear charge
Efficiency	
Maximum efficiency	97.6%
European weighted efficiency	97.0%
Protection	
DC reverse polarity protection	Integrated
Battery input reverse connection protection	Integrated
Insulation resistance protection	Integrated
Transient protection	Integrated
Overheat protection	Integrated
Residual current protection	Integrated
Anti-islanding protection	Integrated
AC overvoltage protection	Integrated
Overload protection	Integrated
Short circuit protection to AC	Integrated
General Data	
Overvoltage category	CC:II CA:III
Dimension [WxHxD mm]	534x418x210
Weight kg]	27.0
Degree of protection	IP65
Night-time energy consumption [W]	<15
Typology	Without transformer
Operating temperature range [°C]	-30~60
Relative humidity [%]	0~100
Operating altitude [m]	3000 (downgrading@>3000m)
Cooling down	Natural convection
Noise levels [dB]	<25
Display	OLED & LED
Communication	CAN, RS485, WiFi/LAN (Optional)
Warranty	5/10 years (optional)

*PV max: The input voltage is 550V without battery or 500V with battery, otherwise the inverter will standby.

**Maximum apparent power from grid indicates the maximum power imported from the electrical grid used to meet reserve loads and charge the battery

1) G98 3.63kVA, 2) G98 16.00A, 3) AS 4777.2 5.0kW, VDE-AR-N 4105 4.6kVA, 4) AS 4777.2 5.0KVA, VDE-AR-N 4105 4.60kVA, C10/11 5.0KVA, 5) AS 4777.2 21.7A, VDE-AR-N 4105 21.0A, C10/11 21.7A, 6) CEI 0-21

Compatible battery range from SG/EBS-5150-5 to SG/EBS-5150-17

Pensato e prodotto in Italia