

Model	SG-10KWHBT
PV Input	
Recommended Max. input power [kW]	15.0
Start-up voltage [V]	135
Max. DC input voltage* [V]	1000*
Rated DC input voltage [V]	620
MPPT voltage range*[V]	200-950*
No. of MPP trackers	2
No. of DC inputs per MPPT	2/2
Max. input current [A]	30/30
Max. short-circuit current [A]	40/40
Battery Side	
Battery type	Lithium-ion (con BMS)
Battery voltage range[V]	135-750
Maximum charging/discharge current [A]	40/40
Grid Side	
Rated output power [kW]	10.0
Max. output apparent power [kVA]	11.0
Max. input apparent power** [kVA]	20.0
Max. charging power of battery [kW]	10.0
Rated AC voltage	3L/N/PE; 220/380V; 230/400V; 240/415V
Rated AC frequency [Hz]	50/60
Max. output current [A]	16.5
Power factor	0.8 leading 0.8 lagging
Max. total harmonic distortion	<3% @Potenza nominale in uscita
DCI	< 0.5% In
Backup	
DC reverse polarity protection [kW]	10.0
Battery input reverse connection protection[kVA]	11.0
Insulation resistance protection [A]	16.5
UPS switching time	<10ms
Rated output voltage	3L/N/PE; 220/380V; 230/400V; 240/415V
Rated output frequency [Hz]	50/60
Voltage harmonic distortion	<3% @Carico lineare
Efficiency	
Max. efficiency	98.4%
European efficiency	97.5%
Protection	
DC reverse polarity protection	Integrato
Battery input reverse connection protection	Integrato
Insulation resistance protection	Integrato
Surge protection	Integrato
Over-temperature protection	Integrato
Residual current protection	Integrato
Islanding protection	Integrato
AC over-voltage protection	Integrato
Overload protection	Integrato
AC short-circuit protection	Integrato
General Data	
Over voltage category	CC:II CA:III
Dimensions [LxAxP mm]	534x418x210
Weight [KG]	28.0
Protection degree	IP65
Standby self-consumption [W]	<15
Topology	Transformerless
Operating Temperature Range [°C]	-30~60
Relative Humidity [%]	0~100
Operating Altitude [m]	3000 (derating)@>3000m
Cooling	Smart fan
Noise Level [dB]	<40
Display	OLED & LED
Communication	CAN, RS485, WiFi/LAN (Optional)

* PV Max. Input voltage is 950V without battery, or 850V with battery, otherwise inverter will be waiting;

** Max apparent power from the grid means the maximum power imported from the utility grid used to satisfy the backup loads and charge the battery

1) G98 10.5KVA, 2) G98 16.00A, 3) AS 4777.2 15.0KVA, 4) AS 4777.2 21.7A, 5) CEI 0-21, 6) CEI 0-16

Compatible battery range from SG/EBS-5150-7 to SG/EBS-5150-20