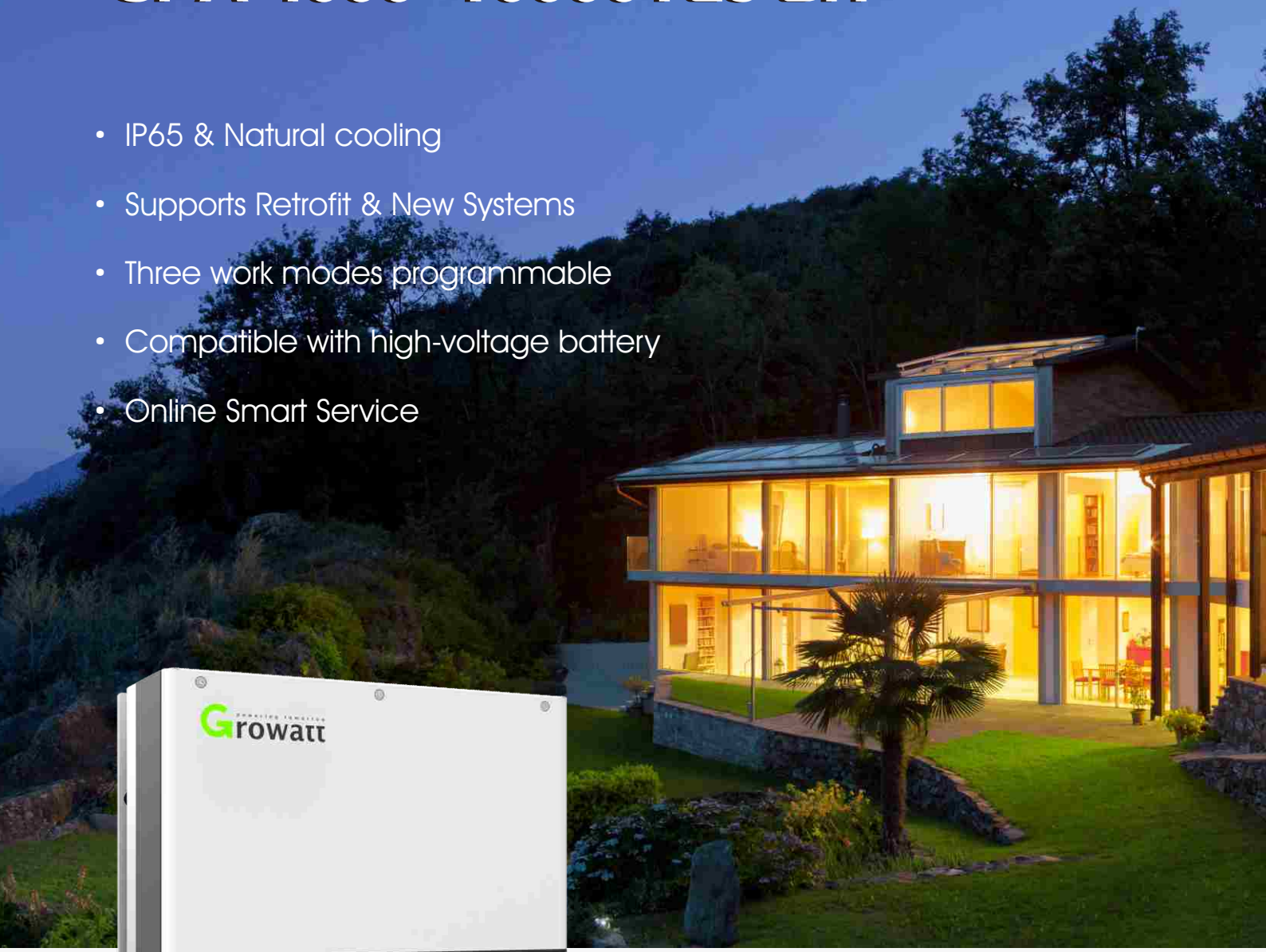
SPA 4000~10000TL3 BH

- IP65 & Natural cooling
- Supports Retrofit & New Systems
- Three work modes programmable
- Compatible with high-voltage battery
- Online Smart Service



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Datasheet	SPA 4000TL3 BH	SPA 5000TL3 BH	SPA 6000TL3 BH	SPA 7000TL3 BH	SPA 8000TL3 BH	SPA 10000TL3 BH
AC Connection						
Rated AC power	4000W	5000W	6000W	7000W	8000W	10000W
Max AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA
Max. current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A
AC nominal voltage	230V / 400V	230V / 400V	230V / 400V	230V / 400V	230V / 400V	230V / 400V
AC grid frequency	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
Power factor	0.8leading…0.8lagging	0.8leading…0.8lagging	0.8leading…0.8lagging	0.8leading…0.8lagging	0.8leading…0.8lagging	0.8leading…0.8lagging
THDi	<3%	<3%	<3%	<3%	<3%	<3%
AC grid connection type	3/N/PE	3/N/PE	3/N/PE	3/N/PE	3/N/PE	3/N/PE
AC output data (Backup)						
Max. AC output power	4000W	5000W	6000W	6000W	6000W	6000W
Rated AC output voltage	230V / 400V	230V / 400V	230V / 400V	230V / 400V	230V / 400V	230V / 400V
Rated AC output frequency	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
THDv	<3%	<3%	<3%	<3%	<3%	<3%
Switch time	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
Battery data						
Battery voltage range	160~550V	160~550V	160~550V	160~550V	160~550V	160~550V
Max charging voltage	550V	550V	550V	550V	550V	550V
Max charging current	21A	21A	21A	21A	21A	21A
Type of battery	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Deep of discharging	80%DOD	80%DOD	80%DOD	80%DOD	80%DOD	80%DOD
Capacity of battery	5~50kWh	5~50kWh	5~50kWh	5~50kWh	5~50kWh	5~50kWh
Efficiency						
Battery charge/discharge efficiency	94.0%	94.0%	96.2%	96.2%	97.4%	97.4%
Protection devices						
BAT reverse protection	yes	yes	yes	yes	yes	yes
Output over current protection	yes	yes	yes	yes	yes	yes
Output AC overvoltage Protection - Varistor	yes	yes	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes	yes	yes	yes
General data						
Dimensions (W / H / D) in mm	453/505/198	453/505/198	453/505/198	453/505/198	453/505/198	453/505/198
Weight	28kg	28kg	28kg	28kg	28kg	28kg
Operating temperature range	- 25°C ...+60°C	- 25°C ...+60°C	- 25°C ...+60°C	- 25°C ...+60°C	- 25°C ...+60°C	- 25°C ...+60°C
Noise emission (typical)	⩽ 35 dB(A)	⩽ 35 dB(A)	⩽ 35 dB(A)	⩽ 35 dB(A)	⩽ 35 dB(A)	⩽ 35 dB(A)
Altitude	3000m	3000m	3000m	3000m	3000m	3000m
Self-Consumption	<7 W	<7 W	<7 W	<7 W	<7 W	<7 W
Inverter Topology	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless
Cooling concept	Natural	Natural	Natural	Natural	Natural	Natural
Environmental Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65
Relative humidity	100%	100%	100%	100%	100%	100%
Features						
AC connection	Connector	Connector	Connector	Connector	Connector	Connector
Battery connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
Display	LCD	LCD	LCD	LCD	LCD	LCD
Interfaces: RS232 / RS485 / CAN / USB / Wi-Fi / RF	yes /yes /yes / yes / opt / opt	yes /yes /yes / yes / opt / opt	yes /yes /yes / yes / opt / opt	yes /yes /yes / yes / opt / opt	yes /yes /yes / yes / opt / opt	yes /yes /yes / yes / opt / opt
Warranty:5 years/10 years	yes/opt	yes/opt	yes/opt	yes/opt	yes/opt	yes/opt

IEC 61000, IEC 62109, IEC 62040, VDE-AR-N 4105, VDE 0126, UTE C 15-712, EN50549, TR3.2.1, TR3.3.1, CEI 0-21, IEC62116, IEC61727, AS/NZS 4777, G98, IEC 62477

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