SPH 4000~10000TL3 BH-UP

- · 100% three-phase imbalance output
- · Smart phase-level power export limitation
- · Wide battery voltage 100-550V
- · UPS function, 10ms transition
- · Scalable system configuration
- · VPP interface ready
- · DC/AC type II SPD
- · 1.5 DC/AC Ratio





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Datasheet	SPH 4000TL3 BH-UP	SPH 5000TL3 BH-UP	SPH 6000TL3 BH-UP	SPH 7000TL3 BH-UP	SPH 8000TL3 BH-UP	SPH 10000TL3 BH-UP				
Input data(PV)										
Max. recommended PV power (for module STC)	3000W*2	3750W*2	4500W*2	5200W*2	6000W*2	7500W*2				
Max. DC voltage			10	00						
Start voltage	120V									
MPP voltage range	120V-1000V/600V									
No. of MPP trackers	2									
No. of PV strings per MPP tracker	1									
Max. input current per MPP tracker	13.5A									
Max. short-circuit current per MPP tracker			16.	9A						
Output data(AC)										
AC nominal power	4000W	5000W	6000W	7000W	8000W	10000W				
Max. AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA				
Nominal AC voltage (range*)			230V/400V	(310~476V)						
AC grid frequency (range)			50Hz/60Hz (45H	Hz-55Hz/55Hz-65Hz)						
Max. output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A				
Adjustable power factor			0.8leading	.0.8lagging						
THDi	<3%									
AC grid connection type	3W+N+PE									
Battery data (DC)										
Battery voltage range			100~							
Max charging and discharging current				25A						
Continuous charging and discharging power	4000W	5000W	6000W	7000W	8000W	10000W				
Type of battery			lithium/l	ead-acid						
Backup power(AC)										
Max. AC output power	4000W	5000W	6000W	7000W	8000W	10000W				
Max. AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA				
Max. output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A				
Nominal AC output voltage			230V	/400V						
Nominal AC output frequency	50/60HZ									
THDv	<3%									
Switch time	<10ms									
Efficiency										
MAX. efficiency	97.6%	97.8%	98.0%	98.2%	98.2%	98.2%				
European efficiency	97.0%	97.2%	97.3%	97.4%	97.4%	97.5%				
Euro battery discharge efficiency			97.	4%						
MPPT efficiency			99.	9%						
Protection devices										
DC switch			Υ	es						
DC reverse polarity protection	Yes									
AC/DC surge protection	Type II									
Battery reverse protection	Yes									
AC short-circuit protection	Yes									
Ground fault monitoring	Yes									
Grid monitoring	Yes									
Anti-islanding protection	Yes									
Residual-current monitoring unit	Yes									
Insulation resistance monitoring	Yes									
General data										
Dimensions (W / H / D)			505/453	/198mm						
Weight	30kg									
Operating temperature range	-25 °C +60 °C									
	-25 C +60 C									
Nighttime power consumption	Transformerless									
Topology	Transformeriess Natural									
Cooling										
Protection degree	IP65									
Relative humidity	0~100%									
Altitude	3000m									
DC connection	H4 / MC4 (Optional)									
AC connection	Connector									
	LCD+LED									
Display					Yes					
Display Interfaces: RS485/CAN/USB				es						
• •			Y	es ional						
Interfaces: RS485/CAN/USB			Y Opti							

^{*} The AC Voltage Range may vary depending on specific country grid standard.