SPE 3500~6000TL HVM-G2

Hybrid solar inverter

- Two AC input terminals with integrated transfer switch
- Support WiFi/4G remote monitoring
- Featuring grid-tied function for peak shaving
- Support parallel operation for capacity expansion up to 54kW.
- Dual outputs for smart load management (Available for 6kW model only)
- Settable charging current & charing time for generator and grid



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preliminary

Datasheet	SPE 3500TL HVM-24G2	SPE 6000TL HVM-G2
Input data (DC)		
Max. recommended PV power (for module STC)	4000W	8000W
Start voltage	150±10V	80±5V
MPP voltage range	120V-450V	60V-450V
No. of MPP trackers	1	2
No. of PV strings per MPP tracker	1	1
Max. input current per MPP tracker	22A	16A+16A
Max. DC voltage	500V	
Output data (AC)		
AC nominal power	3500W	6000W
Max. AC apparent power	3500VA	6000VA
Output current	15.2A	26.1A
Nominal AC voltage	230V	
AC grid frequency	50/60Hz	
Adjustable power factor	0.8leading…0.8lagging	
THDi	< 5%	
Battery data (DC)		
Nominal DC voltage	24V	48V
Battery voltage range	20~32V	40~60V
Battery overcharge protection	32V	60V
Backup power (AC)		
AC nominal output power	3500W	6000W
Nominal AC output voltage	230V	
Nominal AC output frequency	50/60Hz	
Switch time	10ms typical, Max@ 20ms	10ms typical, RCD 20ms Max@ Single <30ms @ Parallel
Efficiency		
Peak. efficiency	96.5%	
European efficiency	95.5%	
General data		
Dimensions (W / H / D)	370/430/125mm	422/460/125mm
Weight	10.5kg	13.5kg
Operating temperature range	-20℃ ... +50℃	
Topology	Tranformerless	
Cooling	DC fan	
Protection degree	IP20	
Relative humidity	5%~95% non-considering	
Altitude	< 2000m	
Communication	WiFi/4G	

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