

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 & charging 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		2	
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)	370/125/430mm		422/125/460mm	
Weight	10.5kg		13.5kg	
Operating temperature range			-20°C ... +50°C	
Topology			Tranformerless	
Cooling			DC fan	
Protection degree			IP20	
Relative humidity			5%~95% non-considering	
Altitude			< 2000m	
Communication			WiFi/4G	