

SPE 3500~7000TL 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 63kW.
- Dual outputs for smart load management
- Settable charging current & charging time for generator and grid



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preliminary

Datasheet	SPE 3500TL HVM-24G2		SPE 5000TL HVM-G2		SPE 6000TL HVM-G2		SPE 7000TL HVM-G2	
Input data (DC)								
Max. recommended PV power (for module STC)	4000W		5000W		8000W		8000W	
Start voltage	80±5V							
MPP voltage range	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		5000W		6000W		7000W	
Max. AC apparent power	3500VA		5000VA		6000VA		7000VA	
Output current	15.2A		21.8A		26.1A		30.4A	
Nominal AC voltage	208V/220V/230V/240V							
AC grid frequency	50/60Hz							
Adjustable power factor	0.8leading...0.8lagging							
THDi	< 5%							
Battery data (DC)								
Nominal DC voltage	24V		48V		48V		48V	
Battery voltage range	20~32V		40~60V		40~60V		40~60V	
Battery overcharge protection	32V		60V		60V		60V	
Backup power (AC)								
AC nominal output power	3500W		5000W		6000W		7000W	
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%							
Protection devices								
AC over current protection	Yes							
AC over voltage protection	Yes							
Ground fault monitoring	Yes							
Grid monitoring	Yes							
Anti-islanding protection	Yes							
Residual-current monitoring unit	Yes							
Insulation resistance monitoring	Yes							
Surge protection	Yes							
General data								
Dimensions (W / H / D)	370/430/125mm				422/460/125mm			
Weight	10.5kg		10.8kg		13.5kg		13.8kg	
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							
CE								