

# 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
<b>Input data (DC)</b>				
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			
Max. short-circuit current per MPP trackers	28A			22A+22A
<b>Output data (AC)</b>				
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%			
<b>Battery data (DC)</b>				
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
<b>Backup power (AC)</b>				
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		
<b>Efficiency</b>				
Peak efficiency	96.5%			
European efficiency	95.5%			
<b>General data</b>				
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	Transformerless			
Cooling	DC fan			
Protection degree	IP20			
Relative humidity	5%-95% non-considering			
Altitude	< 2000m			
Communication	WiFi/4G			