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 & charing time for generator and grid



POWER-INGO TOMO-RROW

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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			
Max. short-circuit current per MPP trackers	28A		22A+22A	
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%			
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℃ ... +50℃			
Topology	Tranformerless			
Cooling	DC fan			
Protection degree	IP20			
Relative humidity	5%~95% non-considering			
Altitude	< 2000m			
Communication	WiFi/4G			

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