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			
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℃ ... +50℃			
Noise emission (typical)	<30dB*			
Topology	Tranformerless			
Cooling	DC fan			
Protection degree	IP20			
Relative humidity	5%~95% non-considering			
Altitude	< 2000m			
Communication	WiFi/4G			
CE				

*Under special working condition.

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