

SPI Series Hybrid Inverters

Model: HS1-LV12
8kW/11kW/12kW



- Parallel Ready (up to 6 units).
- 10ms UPS Switching . Dual MPPT Trackers.
- CE Certified (IEC62109, EN61000).
- High Overload Capacity (Up to 24kVA Peak).

DC Input (PV)			
Parameter	SPI8kW	SPI11kW	SPI12kW
Max. PV Power	15,000 W	15,000 W	18,000 W
Max. PV Voltage (VOC)	500V		
MPPT Voltage Range	90-450 V		
Number of MPPTs	2		
Max. Input Current (per MPPT)	27A		
DC Input (Battery)			
Battery Voltage	48 V Nominal		
Operating Range	40 - 60 V		
Max. Charge Current			
- From AC Grid	120A	150A	150A
- From Solar	120A	150A	150A
- Total Hybrid Charge	120A	150A	150A
AC Input (Grid)			
Input Voltage	230 Vac		
Voltage Range	90 - 280 Vac (APL Mode)/ 170 - 280 Vac (UPS Mode)		
Frequency	50/60 Hz (Auto)		
AC Output (Inverter)			
Rated Output Power	8,000 W	11,000 W	12,000 W
Output Voltage	230 Vac		
Peak Power	16,000 VA	22,000 VA	24,000 VA
Motor Start Capacity	5 HP	7 HP	8 HP
Typical Transfer Time	10 ms		
Max. Bypass Current	63 A		
General			
Parallel Capability	Up to 6 units		
Communications	Wi-Fi, GPRS, RS485, USB, Dry Contact		
Cooling	Variable Speed Fan		
Efficiency	>93% (Inverter) / >95% (AC)		
Dimensions (L*W*D)	540 x 350 x 120 mm		
Weight	19.5 kg		
Certifications	CE (IEC62109-1/2, EN61000), EMC C2		
Operating Temperature	-10° C to +55° C (Derating >45° C)		

