

HYBRID INVERTER

SINGLE PHASE: HP1-1K5/3K/3K6/5K/6KS2

Model	HP1-1K5S2		HP1-3KS2	HP1-3K6S2	HP1-5KS2	HP1-5KS2C	HP1-6KS2
PV Input							
Max. PV Input Power	3000Wp		6000Wp	7200Wp	10000Wp	10000Wp	12000Wp
Max. PV Input Voltage	500V						
Min. PV Input Voltage	60V						
MPPT Voltage Range	60 – 500V						
Startup Voltage	70V						
No. of MPPTs/Strings per MPPT	1 / 1		2 / 1				
Max. PV Input Current	18 A		18 / 18 A				
Max. Short Circuit Current	22 A		22 / 22 A				
AC Input/Output @Grid							
Max. AC Input Power	9200W						
Max. AC Input Current	40A						
Nominal AC Output Power	1500W	3000W	3680W	5000W	5000W	6000W	
Max. AC Output Power	1650W	3300W	4048W	5500W	5000W	6600W	
Nominal AC Voltage	L/N/PE, 220/230/240						
AC Frequency	50 / 60 Hz						
AC Frequency Range	45 – 55 Hz / 55-65 Hz						
Max. Output Current	7.5 A	15.0 A	18.4 A	25.0 A	22.8 A	30.0 A	
Nominal Output Current	6.8 A	13.6 A	16.7 A	22.8 A	22.8 A	27.3 A	
THDi, Rated Power[%]	<3%						
Power Factor	> 0.99 at Rated Power (Adjustable 0.8 Leading – 0.8Lagging)						
EPS Output @ Off Grid							
Nominal EPS Power	1500W	3000W	3680W	5000W	5000W	6000W	
EPS Peak Power (10s)	2 times of rated power, 10s						
Nominal Output Voltage	L/N/PE, 220/230/240						
Nominal Frequency	50 / 60 Hz						
Nominal Output Current	6.8 A	13.6 A	16.7 A	22.8 A	22.8 A	27.3 A	
THDv,Rated Power[%]	< 3%						
On/Off-grid Switchover Time	< 10 ms						
Inverter Data							
Dimension (W*H*D)	480*340*190						
Weight	15 kg						
Cooling	Natural cooling						
Protection Rating	IP66						
Mounting Method	Wall Mounting						
Operating Temperature Range	–25°C to +60°C (derating at 45°C)						
Display	LCD + APP						
Nosie	< 35 dB						
Operating Attitude	< 2000 m						
Operating Humidity	0 – 95 %						
Generator							
Max. Input Power	1500W	3000W	3680W	5000W	5000W	6000W	
Max. Input Current	6.8 A	13.6 A	16.7 A	22.8 A	22.8A	27.3 A	
Rated Input Frequency	50 / 60 Hz						
Efficiency							
Max. Efficiency	97.60%						
Euro Efficiency	96.80%						
Battery							
Battery Type	Li-ion / Lead-acid						
Battery Voltage	40V – 60V						
Max. Charge/Discharge Current	63A	125A	125A	125A	125A	125A	
Communication with BMS	CAN / RS485						

HYBRID INVERTER

SINGLE PHASE: HP1-1K5/3KL2

INVERTER

Model	HP1-1K5L2		HP1-3KL2	
PV Input				
Max. PV Input Power	3000Wp		6000Wp	
Max. PV Input Voltage			500V	
Min. PV Input Voltage			60V	
MPPT Voltage Range			60-500V	
Startup Voltage			70V	
No. of MPPTs/Strings per MPPT	1 / 1		2 / 1	
Max. PV Input Current	18 A		18 / 18 A	
Max. Short Circuit Current	22 A		22 / 22 A	
AC Output @ Grid				
Nominal AC Output Power	1500W		3000W	
Max. AC Input Power			1650W	
Nominal AC Voltage			L/N/PE, 110/120	
AC Frequency			60 Hz	
AC Frequency Range			55-65 Hz	
Max. Output Current	15.0 A		30.0 A	
Nominal Output Current	13.6 A		27.3 A	
THDi,Rated Power[%]			<3%	
Power Factor	> 0.99 at Rated Power (Adjustable 0.8 Leading - 0.8Lagging)			
EPS Output @ Off Grid				
Nominal EPS Power	1500W		3000W	
EPS Peak Power (10s)			2 times of rated power, 10s	
Nominal Output Voltage			L/N/PE, 110/120	
Nominal Frequency			60 Hz	
Nominal Output Current			13.6 A	
THDv,Rated Power[%]			< 3%	
On/Off-grid Switchover Time			< 10 ms	
Inverter Data				
Dimension (W*H*D)			480*340*190 mm	
Weight			15 kg	
Mounting Method			Natural cooling	
Protection Rating			IP66	
Cooling			Wall Mounting	
Operating Temperature Range			-25°C to +60°C (derating at 45°C)	
Display			LCD + APP	
Nosie			< 35 dB	
Operating Attitude			< 2000 m	
Operating Humidity			0 - 95 %	
Generator				
Max. Input Power	1500W		3000W	
Max. Input Current	13.6A		27.3A	
Rated Input Frequency			60 Hz	
Efficiency				
Max. Efficiency			97.60%	
Euro Efficiency			96.80%	
Battery				
Battery Type			Li-ion / Lead-acid	
Battery Voltage			40 - 60V	
Max. Charge/Discharge Power	1500W		3000W	
Max. Charge/Discharge Current	63A		125A	
Communication with BMS			CAN / RS485	