Single-Phase Hybrid Inverter HH1P-7/8/9/10KL-A



- Support DC/AC ratio 200%
- Adapted to high-inductance / weak grid, stable operation
- 4ms seamless switching between on-grid and off-grid
- 45°C without derating
- Adaptive battery compatibility
- Colorful LCD touch screen, more friendly
- Supports six charge/discharge time slots
- Supports 16-unit parallel connection
- IP66 for outdoor installation
- Critical load management

	HHIP-7KL-A	HHIP-8KL-A	HHIP-9KL-A	HHIP-10KL-A
PV String Input Data				
Max. Input Power (W) Max. Input Power (W)	14000	16000 550	18000	18000
MPPT Voltage Range (V)	125-225			
Full Load MPPT Voltage Range (V)	240-425	240-425	250-425	250-425
Start-up Voltage (V)	100			
Rated Input Voltage (V)	370			
Max. Input Current per MPPT (V)	18+18/18+18			
Max. Short Circuit Current per MPPT (V)	28+29/29+29			
Number of MPPT	2			
Number of Strings per MPPT	2/3			
Battery Input Data				
Battery type	Li-Ion/Lead-said			
Rated Battery Voltage (V)	40			
Battery Voltage Range (V)	40 - 60			
Max charge / discharge Current (A)	160	160	190	190
Peak Overload Current (W)	200	237.5	237.5	237.5
Max charge / discharge Power (W)	2000	8800	8800	8000
Tax semuicstion	RSAIBS/CAN			
AC Outμu / Output Data (On-grid)				
Max. Input Power (W)	10500	12000	13500	15000
Rated Output Power (W)	7000	8000	9000	10000
Peak Apparent Power (W)	15300 (@200ms)	15200(@200ms)	17100 (@200ms)	19000(@200ms)
Rated Output Voltage (V)	230			
Rated Frequency (Hz)	50			
Rated Output Current (A)	30.5	35	39	43.5
Max. Input/Output Current (A)	45.8/35.5	52.5/35.0	58.5/35.0	63.5/43.5
Power Factor	1.0 (-0.0 - -0.0)			
AC Output Data (Stand Alone)				
Rated Output Power (W)	7000	8000	9000	10000
Rated Output Voltage (W)	230			
Rated Frequency (Hz)	50			
Rated Output Current (A)	30.5	35	39	43.5
Power Factor	1.0 (-0.0 - -0.0)			
AC Input Data (Generator)				
Rated Input Power (W)	7000	6000	9000	10000
Rated Input Voltage (V)	230			
Rated Frequency (Hz)	30			
Rated Input Current (A)	30.5	35	39	43.5
Efficiency				
MPPT Efficiency	99.60%	99.00%	99.90%	99.90%
Max. Efficiency	97.60%	97.60%	97.60%	97.60%
European Efficiency	97.60%	97.00%	97.00%	97.80%
General Data				
Operating Temperature Range (℃)	-25 to ~60 (Derating 80)			
Altitude*	0-100%			
Altitude (m)	< 2000 (-2000 Derating)			
Cooling Method	Natural cooling			
Communication	WiFI			
Display	LCD Color Touchscreen			
Weight (kg)	39.5			
Dimension (W × H × D mm)	451 × 652 × 243			
Topology	Non-isolated (PV-AC) / High frequency Related (Battery Side)			
Ingress protection	IP68			
Mounting Method	Wall-mounted			
Protective class	Class I			
Overvoltage category	OVC III (Ac, OVC), OVC II (PT)			
Warranty	5 years			
Parallel Units	16			
Protection and Certifications and Standards				
Integrated	PV Inputt Lighting Protection / Anti-Islanding Protection / DC circuit Breaker / PV Inpue Input Reverse Polarity Protection / Insulation Resistor Potection / Residied Current Courtering Holt / Output Over Current Protection / Restear Current Protection / Output Vver Voltage Protection			
Safety EMC / Standard	END1000-6-1, EN61000-6-3			
SEM Regulation	NRS2017, IEE51066, IECE1116, IEE61777			

*1: 100W Supports DC/AC ratio 100%