

H1

SERIES
SINGLE PHASE



H1-3K-S2-15

H1-3.6K-S2-15

H1-4K-S2-15

H1-4.6K-S2-15

H1-5K-S2-15

H1-6K-S2-15

UPS

With UPS function
switch time $\leq 10\text{ms}$



Fanless design
quiet and comfortable



Zero export function
supported

100A

Max. 100A
charge current



24H energy monitoring
and management



Easy setting of
smart working modes



MODEL	H1-3K-S2-15	H1-3.6K-S2-15	H1-4K-S2-15	H1-4.6K-S2-15	H1-5K-S2-15*	H1-6K-S2-15
Input (DC)						
Max. PV Array Power [Wp]@STC	4500	5400	6000	6900	7500	9000
Max. DC Voltage [V]	600					
MPPT Voltage Range [V]	90~550					
Nominal DC Voltage[V]	360					
Start Voltage [V]	120					
Min. DC Voltage [V]	80					
Max.DC Input Current [A]	15/15					
Max.DC Short Circuit Current [A]	18/18					
No. of MPPT	2					
DC Switch	Integrated					
Battery Data						
Battery Type	LiFePO4					
Battery Input Voltage/Range of Voltage [V]	51.2/42~58.4					
Max./Rated Charge Current [A]	60/60			100/100		
Charging Mode Control	3-stages					
Grid Data [On grid Mode]						
Rated Output Power[W]	3000	3680	4000	4600	5000	6000
Max. Output Power[VA]	3000	3680	4000	4600	5000	6000
Rated Output Current [A]	13.1	16.0	17.4	20.0	21.7	26.1
Max. Output Current [A]	13.6	16.7	18.2	20.9	22.7	27.3
Rated AC Voltage/Range [V]	220V, 230V, 240V / 180V~280V					
Rated Output Frequency/Range [Hz]	50 / 60 ± 5					
Power Factor [cos φ]	0.9 leading~0.9 lagging					
Total Harmonic Distortion [THDi]	<3%					
Feed-in	L+N+PE					
AC Output Data [Back up Mode]						
Max. Output Power [VA]	3000			4600	5000	
Output Voltage [V]	220/230/240					
Output Frequency[Hz]	50/60					
Total Harmonic Distortion of Voltage	<3%					
Peak Output Apparent Power [VA]	3600, 10sec			5500, 10sec	6000, 10sec	
Efficiency						
Max. Efficiency	97.6%					
Euro Efficiency	97.0%					
Max. Battery to Load Efficiency	94.6%					
Protection						
AC Short Circuit Protection	Integrated					
Overload Protection	Integrated					
DC Overvoltage/Undervoltage	Integrated					
AC Overvoltage/Undervoltage	Integrated					
AC Overfrequency/Underfrequency	Integrated					
Over Thermal Protection	Integrated					
Anti-islanding protection	Integrated					
Peak-to-trough Period Setting	Integrated					
Interface						
PV Connection Type	MC4					
Battery Connection Type	Terminal Block					
AC Connection Type	Terminal Block					
Display	LCD					
Communication port	RS485*2& RS232&DRM*2 (Integrated)					
Communication Mode	WiFi/GPRS/Ethernet (Optional)					
General Data						
Topology	Transformerless					
Ingress Protection	IP65					
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)					
Ambient Humidity	0~100% No Condensing					
Altitude	4000m (>3000m Power Derating)					
Noise [dBA]	<29					
Cooling Method	Natural Convection					
Dimensions [H*W*D] [mm]	470*470*190					
Weight [kg]	23					
Warranty [Year]	5					
Applicable Standard	IEC621091/2, IEC61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699, UNE 206006, UNE 206007, CEI0-21, AS4777. 2, CQC NB/T 32004, VDE-AR-N 4105					

Note: * Power 4600W/4600VA for VDE-AR-N4105, 5000W/5000VA for other
Current 20.9Aac for VDE-AR-N 4105, 22.7Aac for other countries.
20.9Aac/4600W/4600VA for VDE-AR-N4105 bypass mode.
22.7Aac/5000W/5000VA for other countries or VDE-AR-N4105 stand-alone mode.