



H1 SERIES

SINGLE PHASE



H1-6K-S2-15-IE

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	H1-6K-S2-15-IE
DC Input	
Max. PV Array Power [Wp]@STC	9000
Max. DC Voltage [V]	600
MPPT Voltage Range [V]	90 ~ 550
Rated DC Voltage [V]	360
Start Voltage [V]	120
Max. DC Input Current [A]	15/15
Max. DC Short Circuit Current [A]	18/18
No. of MPPT	2
Battery Parameters	
Battery Type	LiFePO4
Battery Voltage/Voltage Range [V]	51.2/42 ~ 58.5
Max. Charging/Discharging Current [A]	
AC Output [On-grid]	
Rated AC Power [W]	5500
Max. Apparent Power [VA]	5500
Rated Output Current [A]@230Vac	25.0
Max. Output Current [A]	25.0
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65
Power Factor [cos φ]	0.8 leading ~ 0.8 lagging
Total Harmonic Distortion [THDi]	<3%
AC Input [On-grid]	
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280
Rated Input Frequency [Hz]	50,60
Max. Input Current [A]@230Vac	26.1
AC Output [Back-up]	
Max. Output Power [VA]	5000
Max. Output Current [A]	22.7
Peak Output Apparent Power [VA]	6000, 10s
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65
Output THDv (@ Linear Load)	<3%
Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	97.0%
Protection	
Battery Input Reverse Polarity Protection	Integrated
Over load Protection	Integrated
AC Short Circuit Current Protection	Integrated
DC Surge Protection	Integrated
AC Surge Protection	Integrated
Anti-islanding Protection	Integrated
Interface	
PV Connection	MC4/H4
AC Connection	Terminal block
Battery Connection	Quick connector
Display	LCD+APP
Communication	Wifi/Ethernet/4G (optional)
General Parameters	
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)
Cooling Method	Natural convection
Ambient Humidity	0-100% Non-condensing
Altitude	4000m (>3000m power derating)
Noise [dBA]	<29
Ingress Protection	IP65
Dimensions [H*W*D] [mm]	470*470*190
Weight [kg]	23
Warranty [Year]	5/10/15/20
Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1