



AS1

SERIES

AC-COUPLED RETROFIT INVERTER



AS1-3KS-5.1



Flexibility in retrofitting the existing system



Compatible with all inverter brands

UPS

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



Built-in 5.1kWh lithium battery (extendable)



Fanless design quiet and comfortable



Easy setting of smart working modes

AS1-3KS-5.1

MODEL	AS1-3KS-5.1
Battery Parameters	
Battery Type	Lithium-iron phosphate (LiFePO ₄)
Total Energy Capacity [kWh]	5.12
Battery Capacity [Ah]	100
Rated Voltage [V]	51.2
Voltage Range [V]	42~58.4
Depth Of Discharge [DOD]	90% (off-grid)
Cycle Life	≥ 6000
Max. Charge Current [A]	60
Max. Discharge Current [A]	60
Scalability	Yes (up to 20.4kWh)
Grid Parameters	
Max. Continuable Output Power [VA]	3000
Max. Output Current [A]@230Vac	13.1
Rated Grid Voltage/Range [V]	220, 230, 240/180~280
Rated Output Frequency [Hz]	50/ 60 ±5
Power Factor [cos φ]	0.8 leading~0.8 lagging
Feed-in	L+N+PE
AC Output [Back-up Mode]	
Max. Continuable Output Power [VA]	3000
Output Voltage [V]	220/230/240
Max. Output Current [A]@230Vac	13.1
Rated Output Frequency [Hz]	50/ 60 ±5
Peak Output Apparent Power [VA]	3600, 10s
General Data	
Communication	Wi-Fi/ 4G/ Ethernet (Optional)
Operating Temperature Range	0°C~50°C
Cooling Method	Natural convection
Ambient Humidity	0-95% Non-condensing
Noise [dBA]	< 29
Ingress Protection	IP65
Dimensions [H*W*D][mm]	738*650*186
Weight [kg]	64
Warranty [Year]	5/10/15/20/25
Applicable Standard	AS 4777.2, VDE 4105, G98, C10/C11, CEI0-21, IEC62619, IEC62040, UN38.3