

10-12kW Single-phase Hybrid Inverter

Category	Item	EAHI10KSL	EAHI12KSL
PV Input Parameter	Max. Input Power	18kW	18kW
	Voltage Range	100-550VDC	
	Rated Input Voltage	360VDC	
	Start-Up Voltage	150VDC	
	MPPT Voltage Range	100-540VDC	
	Full Power MPPT Voltage Range	300-500V	
	Max. Input Current Per MPPT	30A/30A	
	Max. Short-Circuit Current Per MPPT	40A/40A	
Battery Input Parameter	MPPT Voltage Range	2	
	Number of Input Strings Per MPPT	2/2	
	Battery Type	Li-ion,Lead-acid battery	
	Voltage Range	42-58VDC	
	Max. Charge/Discharge Current	180A/180A	250A/250A
AC Input and Putput Parameter (grid)	Max. Apparent Power of Grid	15kVA	18kVA
	Max. Input Current	68.2A	81.8A
	Input Voltage Range	184-276VAC	
	Input Frequency Range	50±5Hz	
	Rated Output Power	10kVA / 10kW	12kVA / 12kW
	Rated Output Voltage	1/N/PE.220VAC/230VAC	
	Rated Output Frequency	50Hz	
	Rated Output Current	45.5A/43.5A	54.5A/52.2A
	Power Factor	> 0.99 (0.8leading~0.8lagging)	
	THDi	≤3% (@Rated power)	
AC Output Parameter (back-up)	Rated Output Power	10kW	12kW
	Max. Apparent Power	10kVA	12kVA
	Rated Output Voltage	1/N/PE,220VAC/230VAC	
	Rated Output Frequency	50Hz	
	Rated Output Current	45.5A/43.5A	54.5A/52.2A
	Max. Output Current	45.5A	54.5A
	THDv	≤3% (@Linear load)	
Efficiency	Switching Time	≤20ms	
	Max. Efficiency	97.8%	
	MPPT Efficiency	99.9%	
Protection	Protection	Over/under voltage, over/under-frequency, over load, output short-circuit, over temperature, residual current monitoring unit, output over-current, insulation resistance detection, anti islanding, surge protection	
	Surge Protection	DC Type II/AC Type III	
Others	Dimensions(WxHxD)(mm)	450 x 600 x 270	
	Net Weight(kg)	45	
	Topology	High frequency isolation(for battery)	
	IP Rating	IP66	
	Operating Temperature	-25°C - 60°C	
	Cooling Mode	Smart cooling	
	Altitude	3000m	
	Noise Level at 1 m	≤55dB	
Standards	Installation Mod	Wall-mounted	
	Safety Regulatio	IEC/EN 62109-1/-2, AS62109	
	EMC	EN 61000-6-1/-2/-3/-4	
	Grid Connection	NRS097-2-1: 2017	