

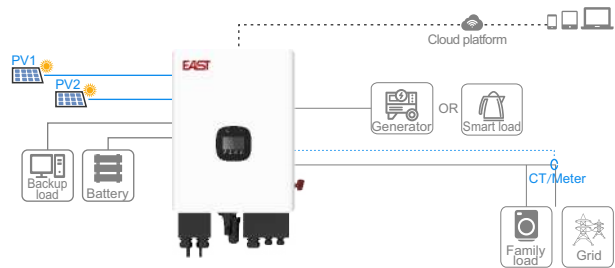
Hybrid Inverter EAHI10-12KSL

Single phase

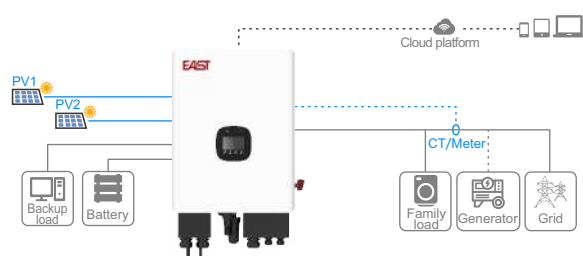


- Supports PV inverter, generators, and microgrid inputs, suitable for new and modified photovoltaic and microgrid systems
- Supports multiple inverters with EPS output in parallel, and can be expanded to small industrial and commercial applications
- Support RSD and AFCI optional configurations to provide safer protection for the system
- Mains and PV input power oversized at a ratio of 1.5, resulting in a more stable system operation

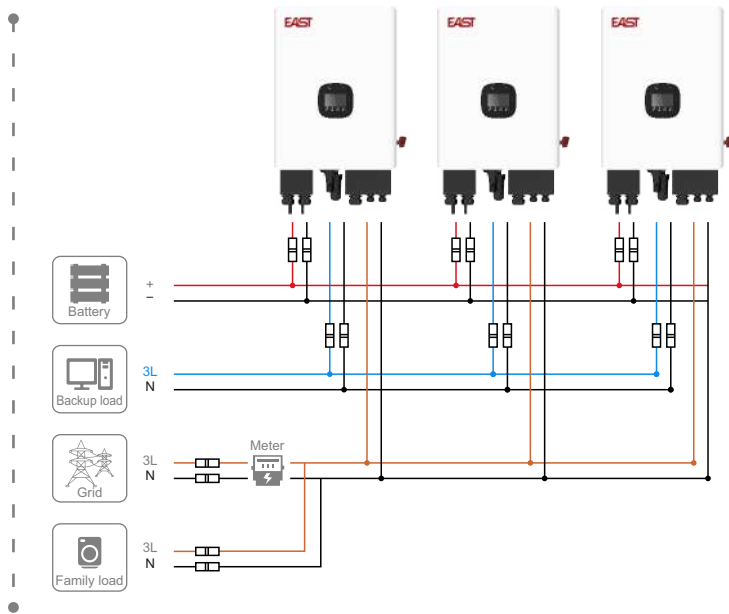
Typical application 1



Typical application 2



Parallel application



Specification

MODEL	EAHI10KSL		EAHI12KSL	
PV input				
Max. input power			18000W	
Max. input voltage			550Vdc	
Start-up voltage			150Vdc	
MPPT voltage range			300V~500V	
Max. input current			30A/30A	
Max. short circuit current			40A/40A	
Number of MPPT/ max. number of PV strings			2/2	
Battery input/output				
Battery voltage range			42~58Vdc	
Max. charge/ discharge current	200A/200A		250A/250A	
Max. charge/ discharge power	10000W		12000W	
Battery BMS communication			CAN/485	
AC output(EPS & Smart)				
Rated output power	10000W		12000W	
Max. apparent output power	10000W		12000W	
Rated output current	45.5A/43.5A		54.5A/52.2A	
Rated output voltage/ frequency			L/N/PE, 220/230Vac, 50Hz	
Power factor			>0.99(0.8 leading~0.8 lagging)	
THDi			<3%@rated power	
EPS switching time			≤20ms	
THDu			<3%(linear load)	
AC input(Grid & Smart)				
Max. AC charging power (grid to battery)	10000W		12000W	
Max. grid input current	68.2A		81.8A	
Max. diesel generator input current	45.5A		54.5A	
Rated input voltage/ frequency			L/N/PE, 220/230Vac, 50Hz	
Efficiency				
Max. efficiency			97.8%	
European efficiency			96.5%	
MPPT efficiency			99.90%	
General parameters				
Display			LED/LCD	
Communications			WIFI/Bluetooth/485	
IP rating			IP66	
Operating temperature			-25°C~+60°C	
Humidity			0%~100%(No condensation)	
Cooling mode			Smart cooling	
Noise level			≤55dB	
Dimensions(W×H×D)(mm)			450x600x270	
Net weight(kg)			45	