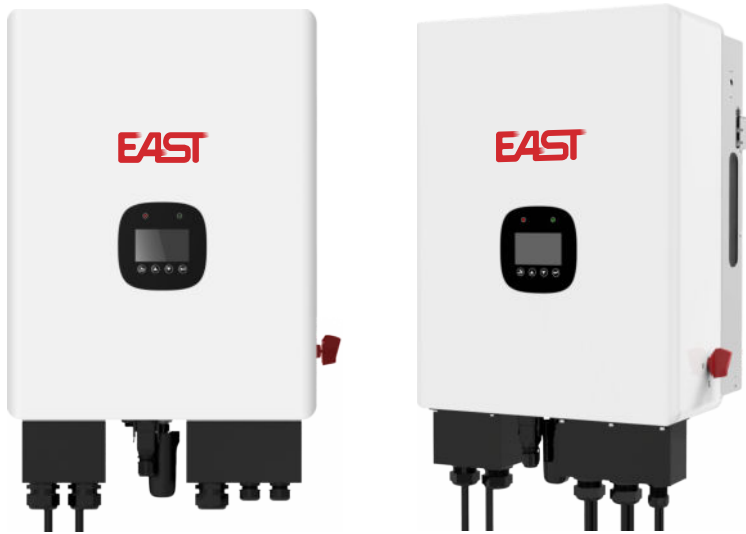


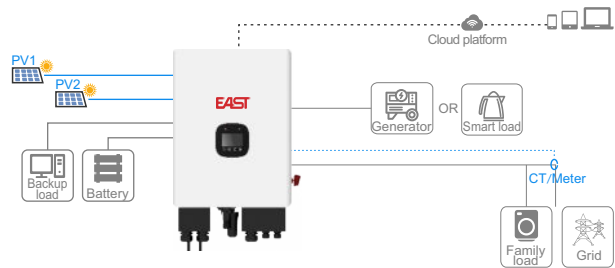
Hybrid Inverter EAHI10-12KSL

Single phase

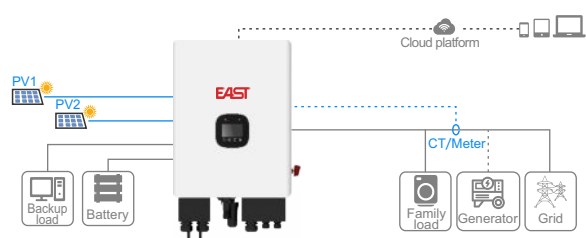


- Supports PV inverter, generators, and microgrid inputs, suitable for new and modified photovoltaic and microgrid systems
- Supports multiple inverters with EPS output in parallel, and can be expanded to small industrial and commercial applications
- Support RSD and AFCI optional configurations to provide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

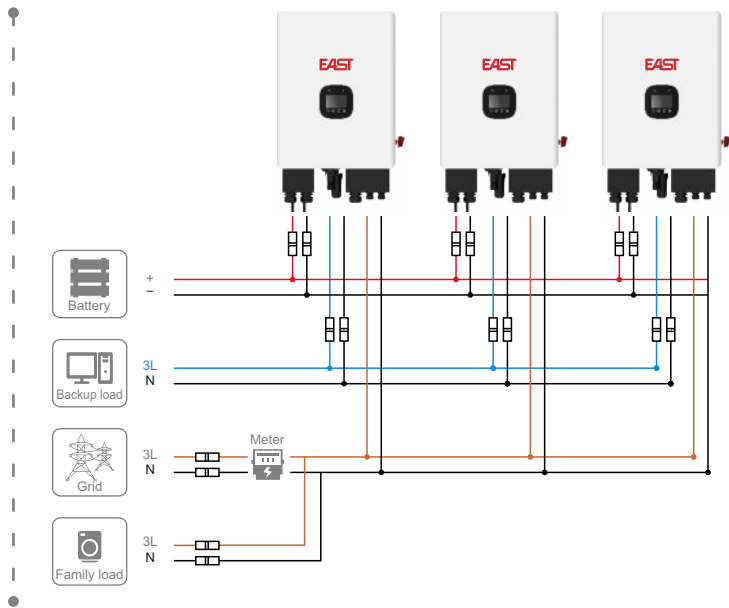
Typical application 1



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		
Max. short circuit current	40A		
Number of MPPT/ max. number of PV strings	2/2		
Battery input/output			
Battery voltage range	42~58Vdc		
Max. charge/ discharge current	200A	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		