

Hybrid Inverter

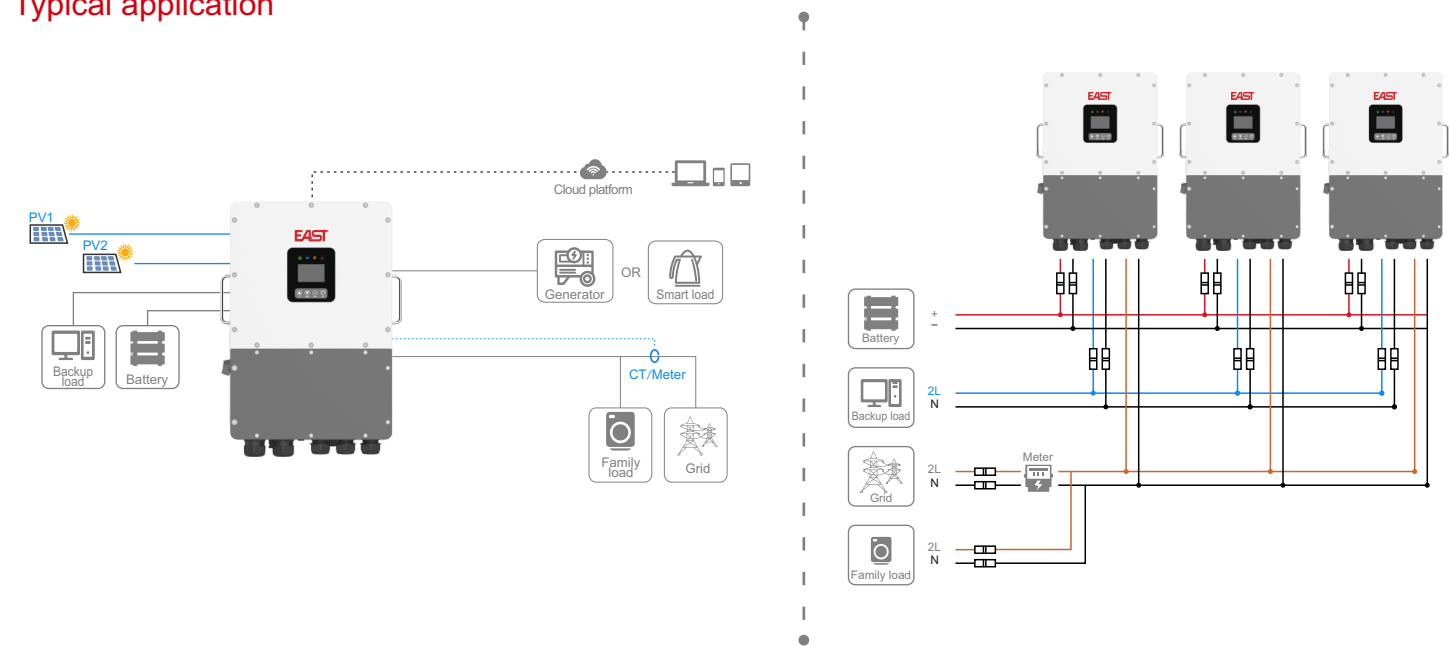
ESH8K/10K/12K/15K2PLVG1-LA

Split phase



- Three independent MPPT channels, 30A current per MPPT channel, max. 210A battery charge/discharge current
- Compatible with 40~60V lithium & lead-acid batteries, support generator connection, smart load output and AC coupling
- Powerful parallel capability: max. 9 units parallel connection, compatible with both on-grid and off-grid working modes
- IP66 dustproof & waterproof design, built-in AC & DC circuit breakers, optional AFCI arc fault protection
- Support multiple operation modes with timing schedule for battery charging and discharging
- Equipped with local touch screen and cloud remote monitoring system to check real-time operation data

Typical application



Specification

MODEL	ESH8K2PLVG1-LA		ESH10K2PLVG1-LA		ESH12K2PLVG1-LA		ESH15K2PLVG1-LA	
PV input								
Max. input power	12000W		15000W		18000W		22500W	
Max. input voltage	550V							
Start-up voltage	120V							
MPPT voltage range	120~480V							
Max. input current	26A							
Max. short circuit current	39A							
Number of MPPT/ max. number of PV strings	3/2+2+2							
Battery input/output								
Battery voltage range	40~60V							
Max. charge/ discharge current	167A	210A		250A		245A		
Max. charge/ discharge power	8000W	10000W		12000W		15000W		
Battery BMS communication	RS485/CAN							
AC output(EPS & Smart)								
Rated output power	8000W	10000W		12000W		15000W		
Max. apparent output power	8000VA	10000VA		12000VA		15000VA		
Rated output current	33.4A	41.7A		50A		62.5A		
Rated output voltage/ frequency	120/240V(Split Phase), 208V(2/3 Phase), 60Hz							
Power factor	>0.99(0.8 leading~0.8 lagging)							
THDi	<3%@rated power							
EPS switching time	<10ms							
Starting surge	10s@2×rated power							
THDu	<3%(linear load)							
AC input(Grid & Smart)								
Max. AC charging power (grid to battery)	8000W	10000W		12000W		15000W		
Max. grid input current			50A				62.5A	
Max. diesel generator input current			50A				62.5A	
Rated input voltage/ frequency	120/240V(Split Phase), 208V(2/3 Phase), 60Hz							
Efficiency								
Max. efficiency	97.50%							
European efficiency	96.50%							
MPPT efficiency	99.50%							
General parameters								
Display	App+ LCD							
Communications	RS485/WiFi/CAN(Optional: Bluetooth/LAN/4G/Meter)							
IP rating	IP66							
Operating temperature	-25°C~+60°C(-13°F~~+140°F), >+45°C(+113°F)derating to 60%							
Humidity	0~95%(Non-condensing)							
Cooling mode	Intelligent Air Cooling							
Noise level	<45dB							
Dimensions(W×H×D)(mm)	466x756x242							
Net weight(kg)	45							