

EP-4400-HA-UD

EP Series 1500V Outdoor Central Inverter



More power generation

- Max. efficiency 99%, Euro efficiency 98.7%
- Advanced three-level technology
- Max.DC/AC ratio up to 1.8



Low system cost

- DC 1500V system, low system cost
- IP65 design
- Night SVG function optional



High reliability

- Key components at front side, easy for maintenance
- Current sensor for each DC input, more reliable for monitoring and control

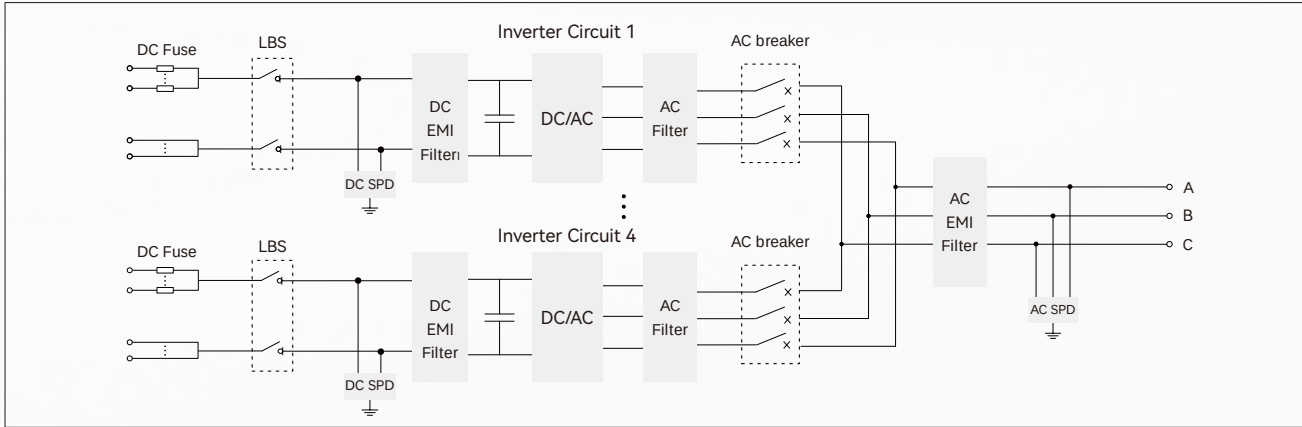


Grid friendly

- LVRT and HVRT function
- Active & reactive power dispatch



Circuit Diagram



Model	EP-4400-HA-UD
Input (DC)	
Max. PV input voltage	1500V
Max. input current	5736A
MPP voltage range for nominal power	900~1300V
Number of MPPT trackers	4
Number of DC inputs	20(Maximum: 32 inputs)
Output (AC)	
AC output power	4400kW@45°C/5060kW@25°C
Rated grid voltage	630V
Grid voltage range	536~693 V
Max. output current	4640A
Rated grid frequency/range	50Hz±5Hz, 60Hz±5Hz
Output current harmonic (at nominal power)	<3%
DC current injection	< 0.5%In
Power factor at nominal power/range	>0.99/0.8 lagging to 0.8 leading
Protection	
DC input protection	Load break switch+fuse
AC output protection	Circuit breaker
Over voltage protection	DC Type II/AC Type II
Leakage current monitoring	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Insulation monitoring	Yes
Overheat protection	Yes
Night SVG function	Optional
Anti-PID function	Optional
Efficiency	
Max. efficiency	99%
EU efficiency	98.7%
General Data	
Self-consuming at runtime	< 5500W
Self-consuming in standby	< 300W
Protection level	IP65
Temperature	-30°C~+60°C
Cooling method	Temperature controlled forced air cooling
Max. operating altitude	5000m
Display	Standard: LED indicator, Bluetooth+APP; Optional: Touch screen
Communication port	RS485/Ethernet
Certificates and approvals (more available on request)	CE,IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC61000
Dimensions (W×H×D)	2210×2250×1850mm
Weight	3300kg