

EP-2400-HB-M1

EP Series 1500V Outdoor Central Inverter



More power generation

- Max. efficiency 99.02%, Euro efficiency 98.8%
- Pn no derating at 52 degrees
- Built-in Anti-PID, reducing system losses



Low system cost

- DC 1500V system, low system cost
- Smart forced Air cooling
- Max. DC/AC ratio up to 1.8



High reliability

- Protection level: IP65
- Module design, easy for O&M
- Current sensor for each DC input, more reliable for monitoring and control

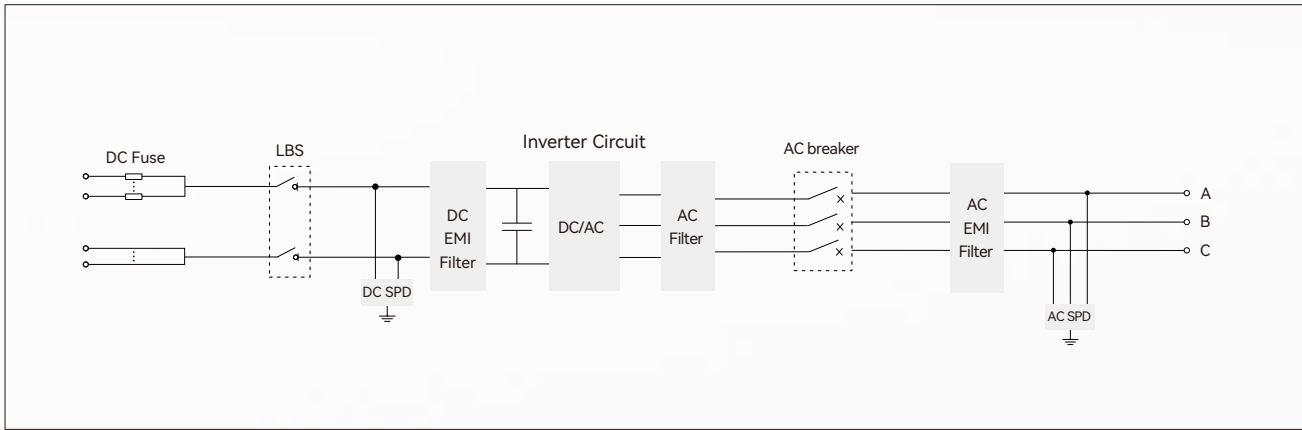


Grid friendly

- Support night SVG
- Advance LVRT and HVRT function
- Active & Reactive power control



Circuit Diagram



Model	EP-2400-HB-M1
Input (DC)	
Max. PV input voltage	1500V
Max. input current	3117A
MPP voltage range for nominal power	938~1300V
Number of MPPT	1
Number of DC inputs	10 (Maximum: 16)
Output (AC)	
AC output power	2400kVA@51°C/2880kVA@23°C
Rated grid voltage	660V
Grid voltage range	561~726V
Max. output current	2519A
Rated grid frequency/range	50Hz±5Hz/60Hz±5Hz
Output current harmonic (at nominal power)	<1%
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
Overvoltage 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
Efficiency	
Max. efficiency	99.02%
EU efficiency	98.8%
General data	
Self-consuming in standby	< 300W
Protection level	IP65
Operating temperature	-30°C~+60°C
Cooling method	Temperature controlled forced air cooling
Max. operating altitude	4500m
Display	Standard: LED indicator, Bluetooth+APP
Communication port	RS485/Ethernet
Dimensions (W×H×D)	2193×2405×1150mm
Weight	1750kg