

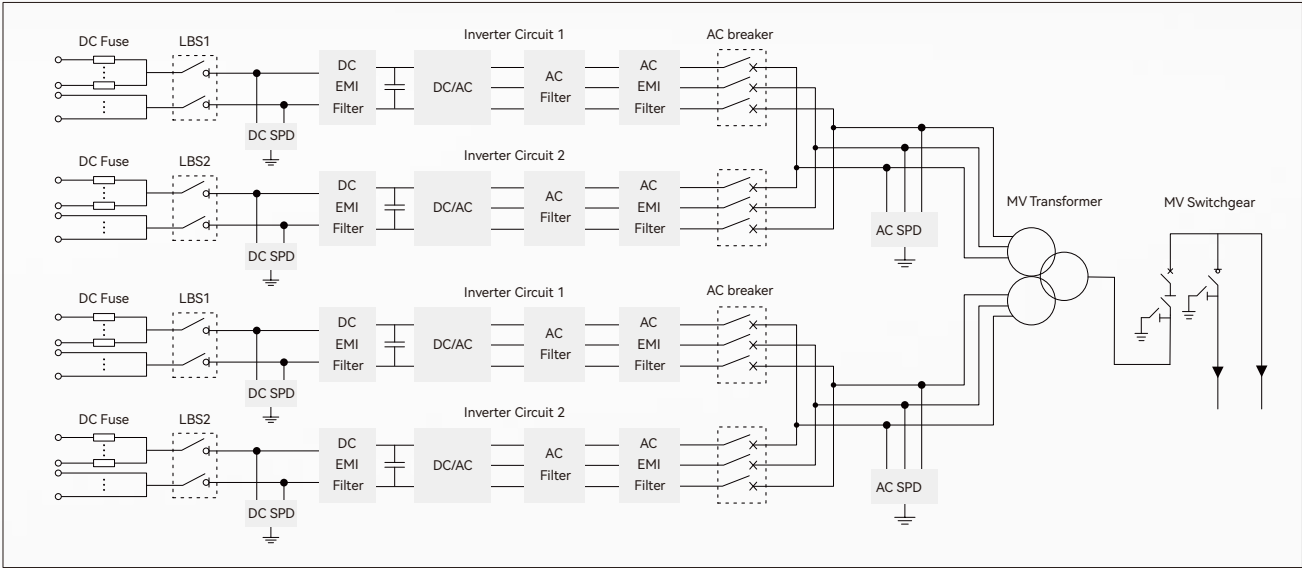
EP-6600-HB-UD/20~35

MV Turnkey Solution for 1500V Utility PV Plant

- More power generation**
 - Inverter Max. efficiency 99.02%, Euro efficiency 98.7%
 - 1500Vdc PV system reduce power loss
 - High DC/AC ratio up to 1.8
- Low system cost**
 - Convenient for large block size PV plant
 - Integrated MV transformer and switchgear
 - Night SVG function optional
- High reliability**
 - Capacitor life prediction technology
 - Key components at front side, easy for maintenance
 - Current sensor for each DC input, more reliable for monitoring and control
- Grid friendly**
 - Adjustable reactive power
 - Low harmonics and fast response for grid regulation



Circuit Diagram



Model		EP-6600-HB-UD/20~35
Input (DC)		
Max. PV input voltage	1500V	
Max. input current	4276A*2	
MPP voltage range for nominal power	945~1300V	
Number of MPPT trackers	2*2	
Max. Number of DC inputs	22*2	
Output (AC)		
AC output power	2*3300kVA@50°C/2*3960kVA@20°C	
AC voltage range	20~35kV	
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	
AC MV output protection	RMU, Circuit breaker (V) + Disconnectors (C)	
Overvoltage protection	DC Type II/AC Type II (Optional, Type I+II)	
Leakage current monitoring	Yes	
Grid monitoring/Ground fault monitoring	Yes/Yes	
Insulation monitoring	Yes	
Overheat protection	Yes	
Night SVG function	Optional	
Efficiency		
Inverter max. efficiency	99.02%	
Inverter EU efficiency	98.7%	
Transformer		
Transformer rated power	6600kVA	
Transformer max. power	7920kVA	
LV/MV Voltage	0.66-0.66/20~35kV	
Transformer Vector	Dy11y11	
Transformer cooling type	ONAN (Oil Natural Air Natural)	
General Data		
Auxiliary power supply	Standard: 5kVA, Optional: max. 40kVA	
Protection level	Inverter: IP65, Others: IP54	
Operating temperature	-30 ~ + 60°C	
Allowed humidity (non condensing)	0-95%	
Cooling method	Temperature controlled forced air cooling	
Max. operating altitude	2000m (standard) />2000m (optional)	
Display	Touch screen	
Communication port	RS485/Ethernet, Optional: optical fiber	
Certificates and approvals (more available on request)	CE,IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC61000,IEC60076,IEC62271, SAGC V3.1	
Dimensions (W×H×D)	12192×2896×2438mm	
Approximate weight	28 T	