

EP-9360/9600-HB-M4/20~35

MV Turnkey Solution for 1500V Utility PV Plant

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More power generation

 - Inverter Max. efficiency 99%, Euro efficiency 98.8%
 - 1500Vdc PV system reduce power loss
 - High DC/AC ratio up to 1.8
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Low system cost

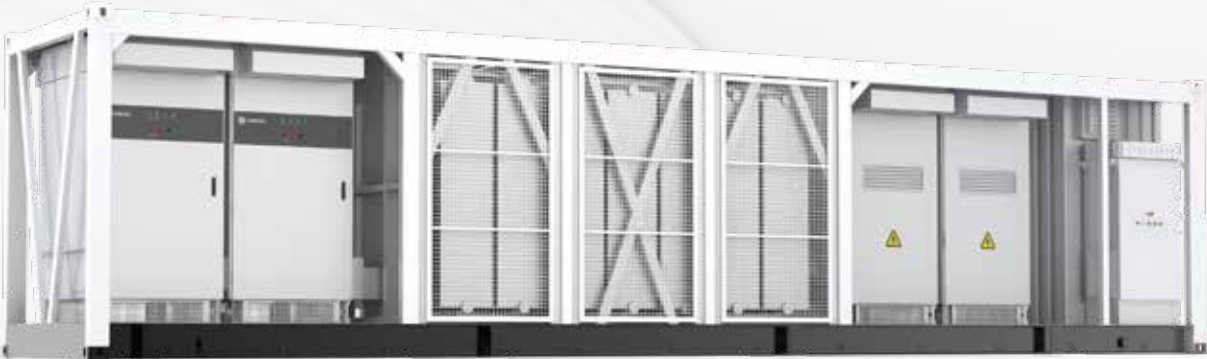
 - Convenient for large block size PV plant
 - Integrated MV transformer and switchgear
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High reliability

 - Protection Level: IP54
 - Key components at front side, easy for maintenance
 - Current sensor for each DC input, more reliable for monitoring and control
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Grid friendly

 - Support night SVG
 - Adjustable reactive power
 - Low harmonics and fast response for grid regulation



Model	EP-9360-HB-M4/20~35		EP-9600-HB-M4/20~35	
Input (DC)				
Max. PV input voltage	1500V			
Max. input current	4*3060A		4*3133A	
MPP voltage range for nominal power	938~1300V			
Number of MPPT	4			
Number of DC inputs	40 (Maximum:64)			
Output (AC)				
AC output power	9375kVA@52°C/11250kVA@25°C		9600kVA@52°C/11520kVA@25°C	
AC voltage range	20~35kV			
Rated grid frequency/range	50Hz/45~55Hz, 60Hz/55~65Hz			
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	Circuit breaker			
Overvoltage protection	DC Type II/AC Type II			
Leakage current protection	Yes			
Grid monitoring/Ground fault monitoring	Yes/Yes			
Insulation monitoring	Yes			
Overheat protection	Yes			
Night SVG function	Yes			
Efficiency				
Inverter max. efficiency	99%			
Inverter EU efficiency	98.8%			
Transformer				
Transformer rated power	9375kVA		9600kVA	
Transformer max. power	11250kVA		11520kVA	
LV/MV Voltage	0.66/20~35kV			
Vector group	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	Standard: LED indicator, Bluetooth+APP			
Communication port	RS485/Ethernet, Optional: optical fiber			
Dimensions (W×H×D)	12192×2896×2438mm			
Weight	40t			

Circuit Diagram

