

Specification for String PV Inverter 250 & 255 kW

Hiverter Si 3 Phase with twelve MPPTs	Hiverter Si 250K-HV	Hiverter Si 255K-HV
Input (DC)		
Max. input voltage	1500V	
Rated input voltage	1080V	
Start-up voltage	550V	
MPPT operating voltage range	180V- 1000V	
Full power MPPT voltage range	800V-1300V	
Number of MPP trackers	12	
Number for DC inputs	24	
Max. input current per MPPT	30A * 12	
Max. input short circuit current per MPPT	50A * 12	
Output (AC)		
AC output power	250kVA@30°C / 235kVA@40°C / 220kVA@50°C	255kVA@30°C / 235kVA@40°C / 220kVA@50°C
Max. output current	180.5A	184A
Nominal grid voltage	3/PE, 800Vac	
Grid voltage range	640Vac-920VVac	
Nominal frequency	50/60Hz	
Grid frequency range	45~55Hz / 55~ 65Hz (According to local standard)	
Active power adjustable range	0-100%	
THDi	<3%	
Power factor	1 default (adjustable+/-0. 8)	
Performance		
Max. Efficiency	99.01%	
European weighted efficiency	98.80%	
Protection		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
Leakage current protection	Yes	
Ground fault monitoring	Yes	
PV-array string fault monitoring	Yes	
Zero voltage ride through	Yes	
DC switch	Yes	
Anti-PID protection	Optional	
AFCI protection	Optional	
Protection class/ Overvoltage category	I/III	
Input/ Output SPD	PV: type II standard, AC: type II standard	
Communication		
Communication	RS485 /USB /Bluetooth, Optional: WiFi /GPRS /PLC	
General Data		
Ambient temperature range	-30°C— +60°C	
Self-consumption at night	<2W	
Topology	Transformerless	
Degree of protection	IP66	
Allowable relative humidity range	0-100%	
Max. operating altitude	4000m	
Noise	≤60 Db	
Weight	99kg	
Cooling	Smart forced air cooling	
Dimension	1100.5*713.5*368mm	
Display	LCD&Bluetooth+APP	
Standard		
EMC	EN 61000-6-2, EN 61000-6-4	
Safety standard	1EC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1.2.14.30)	

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