

## Technical Specifications of Solar String Inverter HIVERTER Si-70K

Model	70 KW
<b>Input (DC)</b>	
Max. Input Power	91 KW
Number of MPPT	3
Number of DC inputs	12
Max. input voltage	1000V
Min input voltage	250V
MPPT voltage range	250-960V DC
Max. input current/ MPPT	40A/40A/40A
DC Overloading in percentage	130%
<b>Output (AC)</b>	
Rated power	70 KW
Max. AC power	70 KW
Active Power Adjustable Range	0-70KW
Rated AC Voltage	480V ± 10 %
Grid frequency range	50 Hz ±10%
Phases - Wires	3 Phases – 4 Wires
Max. output current	80A
THDi	<3%
Power factor [cos φ]	0.8lead-0.8lag
<b>Performance</b>	
Max efficiency	98.6%
EU efficiency [@600Vdc]	98.4%
Self-consumption at night	<1W
MPPT efficiency	99%
LVRT Protection	Yes
<b>Protection</b>	
DC reverse polarity protection	Yes
Integrated DC switch	Yes
Safety protection	Yes
SPD	MOV, Type-II SPD (DC), Type-III SPD (AC)
Type-II SPD on AC Side (optional)	Yes
<b>Communication</b>	
Communication mode	RS485, Wifi, GPRS (Optional), SD Card
Operation data storage	25 Years
<b>General data</b>	
Ambient temperature range	-25~+60°C
Topology	Transformer-less
Degree of protection	IP65
Allowable relative humidity range	0-100% (non-condensing)
Max. operating altitude	4000m (> 3000m derating)
Noise	≤60dB
Weight	68Kg
Cooling	Forced Cooling
Display	LCD
Dimension	737*713*297mm
<b>Compliance &amp; Certifications</b>	
IEC 62109-1 -2   IEC 61683   IEC 62116   IEC 60068 IEC 61000-6-2   EN 50530   IEC 62910	

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