

	SI1000-7K-S3	SI1000-8K-S3	SI1000-10K-S3
<b>INPUT / DC</b>			
Max. PV Power / Wp	10500	12000	15000
Max. Input Voltage / V	600		
MPP Voltage Range / V	80-550		
Full Load MPP Voltage Range / V	225-550	225-550	280-550
Min. DC Voltage / Start Up Voltage / V	120		
Nominal DC-Input Voltage / V	360		
Max. Input Current / A	14/14/14		
Max. DC Short Circuit Current / A	18/18/18		
No. of Independent MPPT Inputs	3		
No. of PV Strings per MPPT	1		
<b>OUTPUT / AC</b>			
Rated Power / W	7000	8000	10000
Max. Apparent AC Power / VA	7700	8800	10500
Rated Grid Voltage / Vac	220/230/240		
Grid Connection	L-N-PE		
Rated Power Frequency / Hz	50/60		
Max. Output Current / A	33.5	38.3	45.7
Power Factor	0.8ind to 0.8cap		
THDi @ Rated Power	< 3%		
<b>EFFICIENCY</b>			
Max. Efficiency	97.8%		
Euro. Efficiency	97.4%		

**PROTECTION FUNCTION**

Anti-Islanding Protection	<b>Integrated</b>
Input Reverse Polarity Protection	<b>Integrated</b>
Insulation Resistance Detection	<b>Integrated</b>
Residual Current Monitoring	<b>Integrated</b>
Output Over Current Protection	<b>Integrated</b>
Output Short Circuit Protection	<b>Integrated</b>
Over Voltage Protection	<b>II (DC), III (AC)</b>
Surge Protection	<b>DC: Type II/ AC: Type II</b>

**GENERAL DATA**

Dimensions (W * H * D) / mm	<b>385*480*170</b>
Weight / kg	<b>20.5</b>
Noise Emission (Typical) / dB (A)	<b>&lt; 30</b>
User Interface	<b>LCD</b>
DC Connection Type	<b>MC4</b>
AC Connection Type	<b>Plug-in Connector</b>
Communication	<b>RS485/WiFi/GPRS(optional)</b>
Cooling Method	<b>Natural Cooling</b>
Operating Ambient Temperature / °C	<b>-25~+60</b>
Relative Humidity	<b>0% to 100%</b>
Max. Operating Altitude / m	<b>4000 (&gt; 3000 Derating)</b>
Protection Class (IEC 60529)	<b>IP65</b>
Climatic Category (IEC 60721-3-4)	<b>4K4H</b>
Topology	<b>Transformerless</b>
Night Consumption / W	<b>&lt;1</b>