

	SI1000-6K-T2	SI1000-8K-T2	SI1000-10K-T2	SI1000-12K-T2	SI1000-15K-T2	SI1000-17K-T2	SI1000-20K-T2	SI1000-23K-T2	SI1000-25K-T2
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INPUT / DC

Max. PV Power / Wp	9000	12000	15000	18000	22500	25500	30000	34500	37500
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Max. Input Voltage / V	1100								
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MPP Voltage Range / V	180-850								
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Full Load MPP Voltage Range / V	210-850	330-850	410-850	490-850	410-850	350-850	480-850	500-850	500-850
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Min. DC Voltage / Start Up Voltage / V	180								
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Nominal DC-Input Voltage / V	600								
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Max. Input Current / A	12.5/12.5				25/25				
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Max. DC Short Circuit Current / A	16.25/16.25				32.5/32.5				
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No. of Independent MPPT Inputs	2								
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No. of PV Strings per MPPT	1				2				
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ONPUT / AC

Rated Power / W	6000	8000	10000	12000	15000	17000	20000	23000	25000
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Max. Apparent AC Power / VA	6600	8800	11000	13200	16500	18700	22000	25300	27500
Rated Grid Voltage / Vac	380/400								
Grid Connection	3L / 3L-N-PE or 3 / 3L-PE								
Rated Power Frequency / Hz	50/60								
Max. Output Current / A	9.6	12.8	15.9	19.1	23.9	27.1	31.9	36.7	39.9
Power Factor	0.8ind to 0.8cap								
THDi @ Rated Power	<3%								

EFFICIENCY

Max. Efficiency	98.6%
Euro. Efficiency	97.8%

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated
Input Reverse Polarity Protection	Integrated
Insulation Resistance Detection	Integrated

Residual Current Monitoring	Integrated
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Output Over Current Protection	Integrated
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Output Short Circuit Protection	Integrated
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Over Voltage Protection	II (DC), III (AC)
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Surge Protection	DC: Type II / AC: Type II
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GENERAL DATA

Dimensions (W * H * D) / mm	385*480*170
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Weight / kg	18	19	20	22
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Noise Emission (Typical) / dB (A)	< 60
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User Interface	LCD
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DC Connection Type	MC4
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AC Connection Type	Plug-in Connector
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Communication	RS485/WiFi/GPRS(optional)
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Cooling Method	Smart Fan Cooling
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Operating Ambient Temperature / °C **-25~+60**

Relative Humidity **0% to 100%**

Max. Operating Altitude / m **4000 (> 3000 Derating)**

Protection Class (IEC 60529) **IP65**

Climatic Category (IEC 60721-3-4) **4K4H**

Topology **Transformerless**

Night Consumption / W **<1**
