QUAD

Nueva generación
Micro-inversor

Modelo:
Q1200-4101

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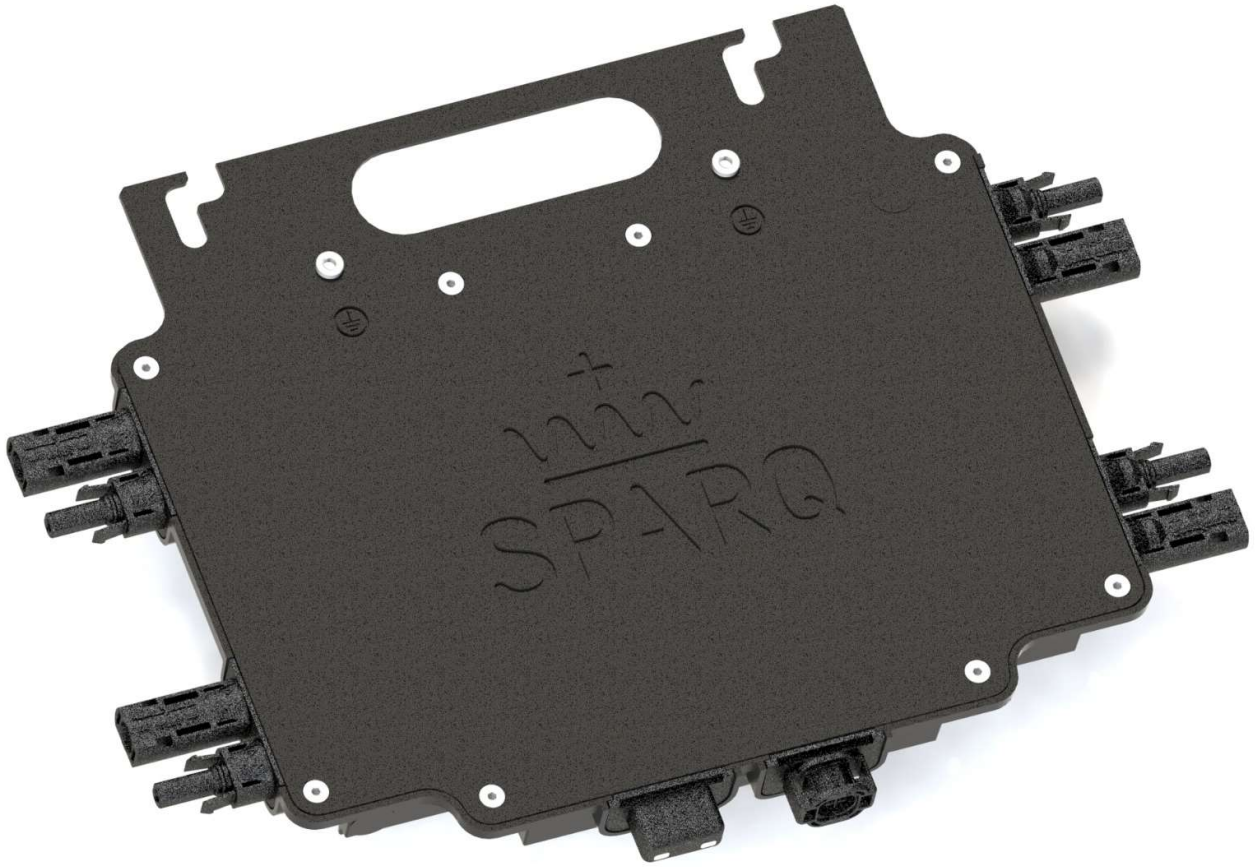
SPARQ



Elegante | Fiable | Bajo costo

Key Specifications	Unit	Q1200-4101		
Maximum Continuous AC Output Power	W	1200		
Number of Input Channels		4		
Rated Grid AC Voltage	V	208 /220/ 240 auto configurable		
Input (DC) Specifications				
PV Power	W	Up to 350 per channel		
Absolute Maximum Input DC Voltage	V	50 per channel		
Maximum Input DC Current	A	16A per channel		
Full Power MPPT Voltage Range	V	22-35 per channel		
Extended MPPT Voltage Range	V	22-40 per channel		
Start-up Voltage	V	19 per channel		
DC Connection Type		MC4 compatible panel receptacles		
Output (AC) Specifications				
Grid Connection Type		208V L-L from 3ϕ	240V L-L from Split- ϕ	220V L-N from 1ϕ
Operational Voltage Range	V	183 - 229	211 - 264	193 - 242
Nominal Output Frequency	Hz	60		50
Operational Frequency Range	Hz	59.3 - 60.5 default		47.5 – 50.5
		Extendable according to various standards		
Output Current	A	5 (nominal)		
Power Factor		> 0.99 default, programmable from 0.99 leading to 0.99 lagging		
Output THD	%	< 2, default		
Inrush Current	A	<8		
Output Wiring Type		Branch cable: 18 AWG Trunk Cable: 10/12 AWG		
Output Connection Type		Amphenol SMC Receptacle SPS-04RFMC		
Protection Devices				
Input				
- Reverse Polarity Protection		Yes, Polarized PV Connectors		
Output				
- Anti-Islanding Protection		Yes, programmable to meet various standards UL1741, UL1741 SA, Rule 21, ...		
- Over-Voltage Protection		Yes		
- Integrated GFDI		Yes		
Safety				
Isolation		Galvanic isolation		
Regulatory Certifications		UL1741, UL1741 SA/Rule 21/HECO/Rule 14H, IEEE1547, IEEE1547.1, CSA22.2 No. 107.1, FCC Part 15-Class B		

Efficiency and Operating Performance	Unit	Q1200-4101
Maximum Efficiency	%	97.0
CEC Efficiency	%	96.5
MPPT Efficiency	%	Static: 99.85 – Dynamic: 99.8
Stand-by Consumption	mW	< 30
Communication		
Monitoring System	W	Wireless, Web-based monitoring through SparqLinq and SparqVu
Environmental		
Ambient Operating Temperature Range	°C (°F)	-40 to +65 (-40 to +149)
Relative Humidity	%RH	0 – 100 condensing
Mechanical		
Enclosure Rating		NEMA 6 – outdoor
Cooling		Natural Convection
Dimensions (H x W x D)	mm (in)	32 x 186 x 285 (1.25 x 7.3 x 11.2)
Weight	kg (lb)	3.3 (7.3)
Recommended Mounting		Rack mount with two M8, 1/4", or 5/16" bolts
Warranty		
Standard Limited Warranty		12 Years, extendable to 25 Years

Programmable Parameters for Smart Grid		
Voltage Ride-through	Under Voltage	Maximum **4** levels with programmable ride-through time
	Over Voltage	Maximum **3** levels with programmable ride-through time
Frequency Ride-through	Under Frequency	Maximum **6** levels with programmable ride-through time
	Over Frequency	Maximum **4** levels with programmable ride-through time
Reconnect Time		Programmable wait time of 0-5 minutes
Power Ramp Rate	Reconnecting	Programmable on both active and reactive power
Volt-VAR		Programmable VAR injection and power factor limit
Frequency-Watt		Programmable active power curtailment with an adjustable rate of Watt per Hz

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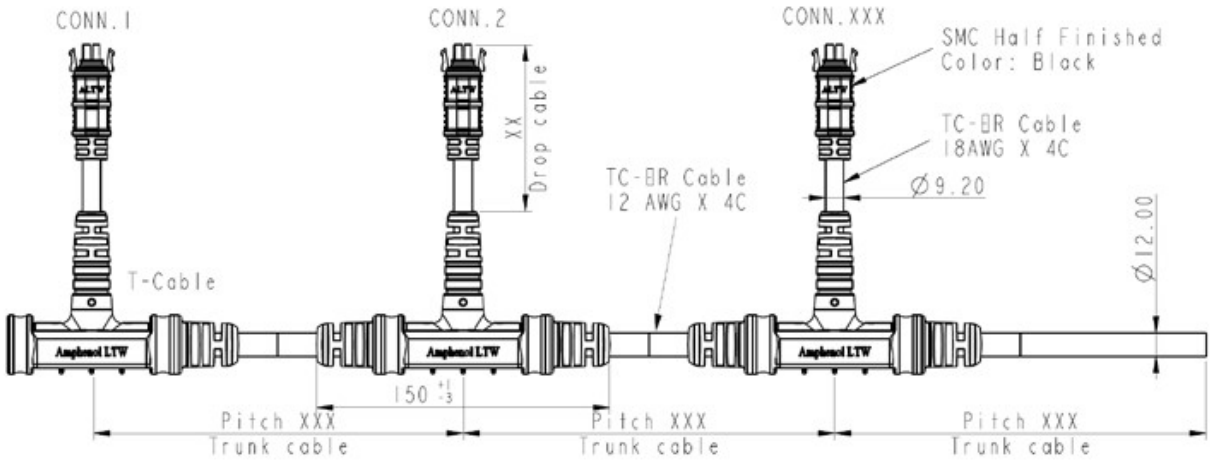
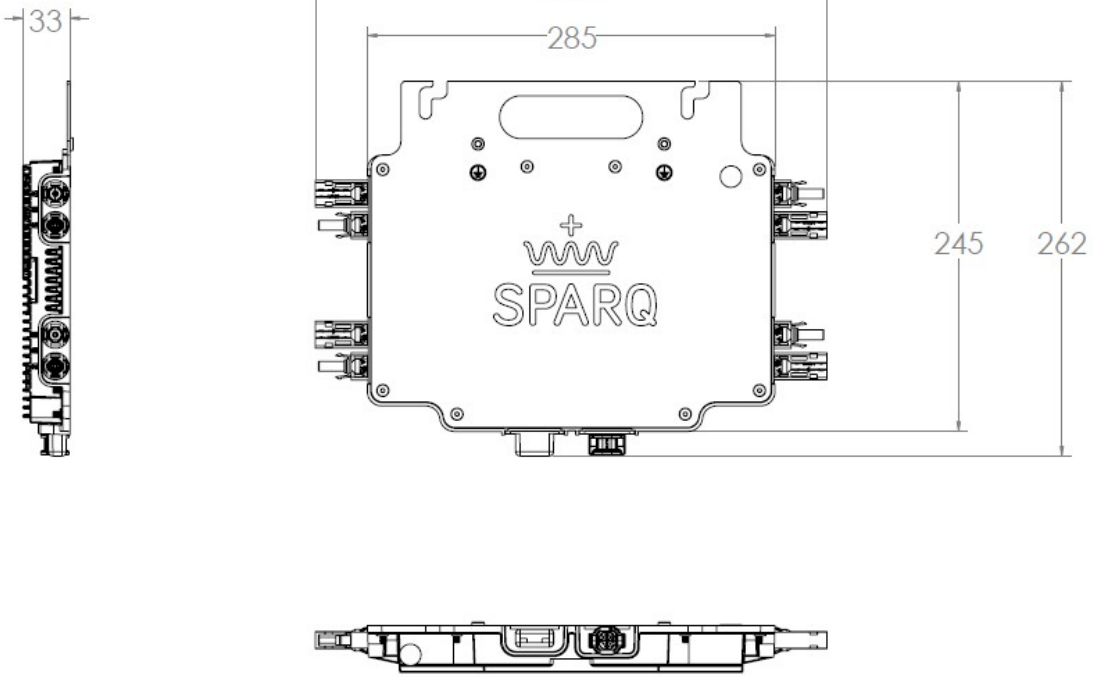
Especificaciones mecánicas



Todas las dimensiones en mm



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