

QUAD Q1200

or India

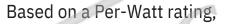
Smartest | Most Reliable | Lowest Cost

The **Quad Q1200** is changing the industry standards for today's solar energy solutions, with 4 individual DC input channels for a maximum energy harvest and independent peak power tracking for up to four PV modules.

Four Panels, One Inverter

The **Quad 1200**

microinverter uses patented technologies that eliminate the use of short-life electrolytic capacitors, providing high reliability, and a 25-year design life.



the Quad has the lowest microinverter cost, the highest power output, the highest power density, and the lowest weight in the industry.



- Quick installation
- Safe operation all AC, with no high-voltage DC
- **▼75% reduction in cable costs**
- Best in class reliability
- No single-point of failure
- Cloud-based performance monitoring for each panel
- Remote updates and programming

Model: **Q1200-410 2**Con guration: 2C

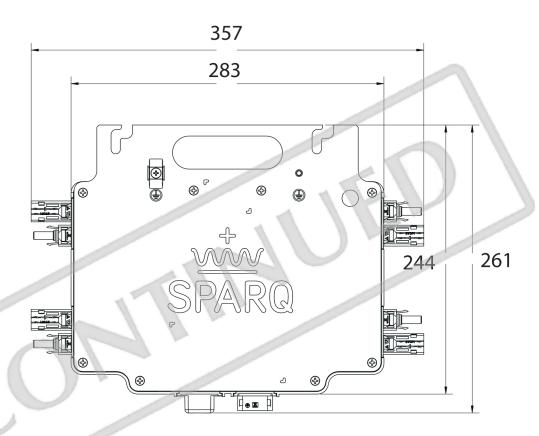
KeySpecifications	Unit		Q1200-4102	
MaximumContinuousACOutputPower	W	1350		
NumberofInputChannels	•	4		
RatedGridACVoltage	V	208/230/240autoconfigurable		
Input (DC) Specifications	V	200/230	5/240aatocom	igurubic
PVPower	W	Unto	MOOWnerchan	nol
AbsoluteMaximumInputDCVoltage	V	Upto400Wperchannel		
MaximumInputDCCurrent	A	60perchannel		
	V	16perchannel		
FullPowerMPPTVoltageRange	V	23-47perchannel		
ExtendedMPPTVoltageRange	V	20-50perchannel		
Start-upVoltage	V	1404	19perchannel	
DCConnectionType		MC4com _l	patiblepanelre	ceptacles
Output (AC) Specifications				
Grid Connection Type		208VL-L	240VL-L	230VL-N
		· ·	romSplit-φ	from1-φ
OperationalVoltageRange	V	183-229	211-264	184-276
NominalOutputFrequency	Hz		60	50
		59.3-6	0.5default	47.5–50.5
OperationalFrequencyRange	Hz	Exte	endable accord	ing to
		various standards		
Output Current	Α	5(nominal)		
Power Factor		> 0.99	default, progr	ammable
. 6.1.6		from	0-0.99 leading	/lagging
Output THD	%	<2,default		
Inrush Current	Α	<8		
Output Wiring Type		18 AWG		
Output Connection Type		T5 AC micro male connector 98053		
AC Output - OFF-Grid				
Operational Voltage Range	V	90-245		
Nominal Output Frequency	Hz	55		
Operational Frequency Range	Hz	54-56		
AC Output-Battery OFF-Grid				11
Battery Inverter Brand Compatibility		Luminous.	Microtek, Exid	e. V-Guard
Battery Inverter Output Type	1	Pure Sinewave, Hybrid Sinewave		
Operational Voltage Range	V	120-245		
Nominal Output Frequency	Hz	50		
Operational Frequency Range	Hz	49-51		
Safety and Protection	112		17 02	
Input Reverse Voltage	1			
Polarity Protection		Yes, Polarized PV Connectors		nectors
- Folianty Protection		Voc. n	rogrammable	to most
Anti-Islanding Protection		Yes, programmable to meet various standards		
		UL1741, UL1741 SA, Rule 21, IEC		
Toda gradu d OFPY		UL1/41, U		e 21, IEC
Integrated GFDI		Yes		
Isolation		Galvanic isolation		
		Less than 200ms		
Abnormal Voltage/ Frequency Trip Time			Less than 200	ms

Regulatory			
Regulatory RegulatoryCertifications			UL1741, UL1741 SA/Rule 21/ HECO/Rule 14H, IEEE1547, IEEE1547.1, CSA22.2 No. 107.1, FCC Part 15-Class B. IEC 60068-2(1,2,14,30), IEC62109-1:2010, IEC62109-2:2011, IEC 61727:2004, IEC 61000-6-3:2007, IEC 61000-6-1:2007, IEC 61000-3-2:2007, IEC 61000-3-3:2007,
			IEC61683:1999
EfficiencyandOpera		Unit	Q1200-4102
MaximumEf	ficiency	%	97.0
CECEffici	iency	%	96.5
MPPTEfficiency		%	Static:99.85-Dynamic:99.8
Stand-byCons	sumption	mW	<30
Communication			
MonitoringSystem			Wireless, Web-based monitoring through Sparq Linq and Sparq Vu
Environmental			
AmbientOperatingTer	nperatureRange°C	(°F)	-40to+65(-40to+149)
RelativeHu	midity	%RH	0–100condensing
Mechanical		- 4	N NE
Enclosure	Rating		NEMA6,IP-67
Coolir			NaturalConvection
Dimensions(HxWxD)		mm(in))32x186x285(1.25x7.3x11.2)
Weight		kg(lb)	3.3(7.3)
RecommendedMounting			RackmountwithtwoM8, 1/4", or 5/16" bolts
Warranty		100	
StandardLimite			12Years
Programmable Para	ameters for Sma	rt Grid	
	Voltage Ride-through Under Voltage Over Voltage Under Frequency		Maximum 4 levels with programmable ride-through time
Ride-through			Maximum 3 levels with
			programmable ride-through time Maximum 6 levels with
Frequency Ride-through	Over Frequency		programmable ride-through time Maximum 4 levels with
			programmable ride-through time
Reconnect Time			Programmable wait time of 0-5 minutes
Power Ramp Rate			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

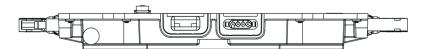
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Mechanical Specifications (inverter)





All dimensions in mm



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Mechanical Specifications (cables)

Ti-Lane T5 free connector female 65069-04



All dimensions in mm

PIN1	G: Empty
PIN2	L1: Wire Color Brown
PIN3	Empty
PIN4	N: Wire Color Blue

sparqsys.com

info@sparqsys.com

945 Princess St.

Kingston, ON K7L 0E9 Canada Mo del: Q1200-410 2 Con guration: 2C