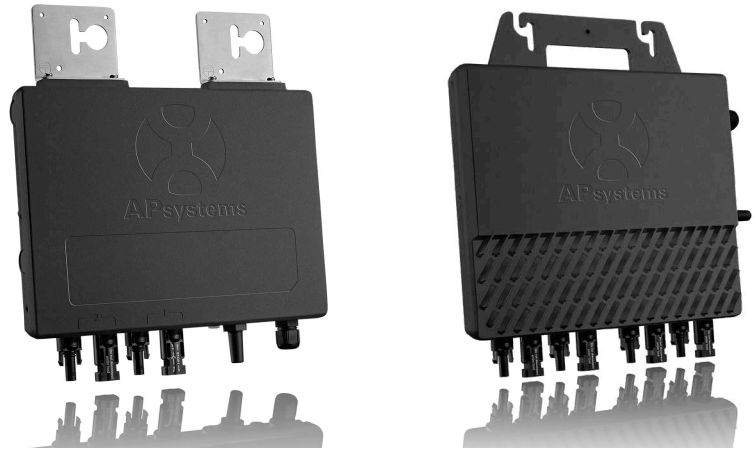


AP SERIES



Module Compatibility	60 + 72 Cell PV Modules			
MPPT Voltage Range	22V-48V			
Recommended PV Module Input Power	410W+		450W+	
Maximum Input Voltage	60V			
Maximum Input Current	12A x 4			
Startup Voltage	20V			
	240V	208V	240V	208V
Maximum Output Power	548VA	548VA	1,200W	1,100W
Nominal Output Current	2.28A	2.63A	5.00A	5.29A
Nominal Output Voltage	211-264V	183-229V	240V/211V-264V	208V/183V-229V
Nominal Output Frequency	60Hz/59.3-60.5Hz			
Power Factor	0.8 leading...0.8 lagging			
Total Harmonic Distortion	<3%			
Maximum Units per Branch	7 (14 PV modules)	6 (12 PV modules)	3 (12 PV modules)	

Peak efficiency	96.7%	96.5%
Nominal MPPT efficiency	99.5%	99.5%
Night Power Consumption	60mW	30mW

Operating Ambient temperature range	-40°F to +149°F (-40°C to +65°C)	-40°F to +149°F (-40°C to +65°C)
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Dimensions (W x H x D)	10.24" x 7.4" x 1.24"(260mm x 188mm x 31.5mm)	11.1" x 9.1" x 1.6"(281mm x 231mm x 41.3mm)
Weight	5.7 lbs (2.6kg)	9.9lbs (4.5kg)
Enclosure rating	NEMA 6 (IP67)	
Cooling	Natural Convection - No Fans	
AC Trunk Cable Maximum Current	20A	

Communication	Zigbee (Wireless)
Safety and EMC Compliance	FCC Part15;ANSIC63.4;ICES-003
Certificate & Compliance	UL1741, UL1741 SA (240V version only), CSA C22.2 No.107.1-01
Grid Connection Compliance	IEEE1547, CA Rule 21 (240V version only)
Rapid Shutdown	Meets NEC 2017 690.12, 690.11
Warranty	10 years standard, extendable to 25 years



* Programmable per customer and utility requirements.

** Meets the standard requirements for Distributed Energy Resources (UL 1741) and identified with the CSA Listed Mark.

Specifications subject to change without notice - please ensure you are using the most recent update found at www.APsystems.com

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The APsystems microinverter solution includes a full range of certified products and accessories to suit any PV application. Contact your APsystems distributor, or see our full catalog online at APsystems.com.



MC4 DC Connector Cap - M	Sealing cap for DC Connector - Male (purchase w/ F)	2060401006
MC4 DC Connector Cap - F	Sealing cap for DC Connector - Female (purchase w/ M)	2060402006
Y3 Bus Cable - 2m	Y3 Trunk cable for YC600/QS1 - 2m (12AWG, TC-ER cULus, 2M, BK-RD-GN)	2322301303
Y3 Bus Cable - 4m	Y3 Trunk cable for YC600/QS1 - 4m (12AWG, TC-ER cULus, 4M, BK-RD-GN) E489601 (UL) Type TC-ER 3C/12AWG 90C Wet or Dry 600V --- c(UL) Type CIC 90C 600V FT4 Dir Bur Sun Res -40C Cold Bend	2322401303
YC600-Y/QS1 AC Cable Unlocking Tool	Unlocks the inverter and the AC bus	2352000001
YC600-Y/QS1 Conn Cap	Protects an unused connector on the AC Bus	2061702007
YC600-Y/QS1 AC Bus End Cap	Waterproofs the end of the AC bus	2060700007
DC Extension Cable	2m DC Extension Cable (MC4)	2310360214
AC Connector - M	AC Cable Connector - Male	2300531032
AC Connector - F	AC Cable Connector - Female	2300532032

