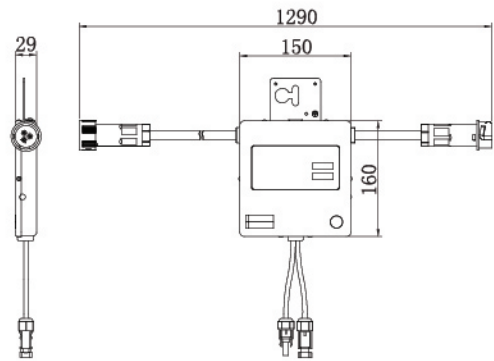




Introduction

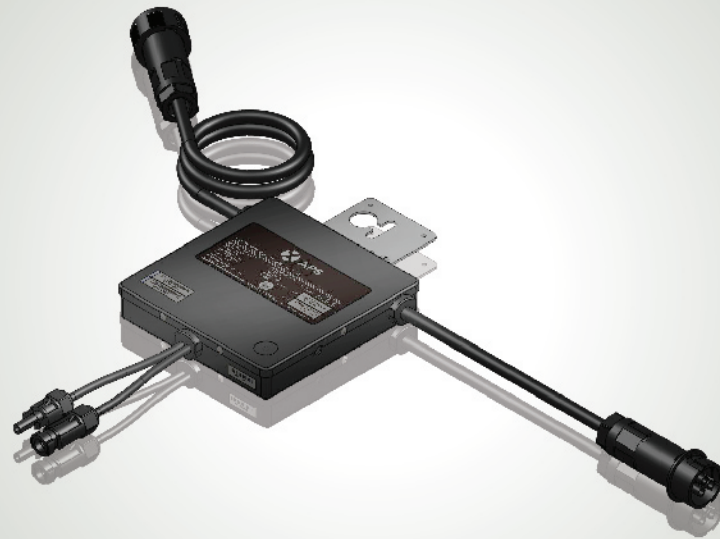
- Maximum output power 250 W
- Lighter, thinner, smaller
- Peak Efficiency 95.5%



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YC250

- ✕ YC250-SAA
- ✕ YC250-EU
- ✕ YC250-MX
- ✕ YC250-CN
- ✕ YC250-NA



Advantages

- Safety** No DC high voltage, no personal injury and fire hazard
- Flexibility** Adapted anywhere, single cable accesses
- Reliability** Design lifetime 25 years
- Cost saving** Simplified design, no DC elements, labor saving
- Smart** MLPM, worldwide on-line system troubleshooting
- Productivity** Up to 25% more energy harvest



YC250 Microinverter

TYPE	YC250-SAA Australia	YC250-CN China	YC250-EU Europe	YC250-NA USA	YC250-MX Mexico
Input Data (DC)					
Recommended PV module power (STC) range (W)	180~310	180~310	180~310	180~310	180~310
MPPT voltage range (V)	22~45				
Operation voltage range (V)	16~45				
Maximum input voltage (V)	55				
Startup voltage (V)	16				
Maximum input current (A)	12	12	10.5	10.5	10.5
Output Data (AC)					
Maximum output power (W)	250	250	250	225	225
Maximum output current (A)	1.09	1.14	1.08	0.937	1.77
Maximum output voltage (V)	230/180-270 ¹	220/180-242 ¹	230/207-253 ¹	240/211-264 ¹	127/95-155 ¹
Nominal output frequency (Hz)	50/45-55 ¹	50/45.5-54.5 ¹	50/47-53 ¹	60/59.3-60.5 ¹	60/55-65 ¹
Power factor	>0.99				
Total harmonic distortion	<3%				
Maximum units per branch	22	22	14	17/21	8/10
Efficiency					
Peak inverter efficiency	95.5%				
Mechanical Data					
Operating ambient temperature (°C)	-40 ~ +65				
Operating internal temperature (°C)	-40 ~ +85				
Storage temperature range (°C)	-40 ~ +85				
Dimensions (W x H x D, mm)	160 x 150 x 29				
Weight (kg)	1.5				
Enclosure rating	IP65	IP65	IP65	NEMA 3R	NEMA 3R
Cooling	Nature Convection				
Features & Compliance					
Communication	Powerline				
Design lifetime (year)	25				
Emissions & immunity (EMC) compliance	EN61000-6-3 : 2007	CNCA/CTS0004-2009A	EN 61000-1/2/3/4	FCCPART15,ANSIC63.4IECS-003	
Safety class compliance	AS/NZS 3100:2009	IEC2109-1:2010CNCA/CTS004:2009A	EN 62109-1&2	UL Std.1741,CSA Std.C22.2 NO.107.1-01	NOM
Grid connection compliance	AS4777.2:2005 AS4777.3:2005	CNCA/CTS0004-2009A	EN 50438	IEEE 1547	
Programmable through ECU to meet customer need.					

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