

# YC250 Microinverter

TYPE	YC250-SAA Australia	YC250-CN China	YC250-EU Europe	YC250-NA USA	YC250-MX Mexico
<b>Input Data (DC)</b>					
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
<b>Output Data (AC)</b>					
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 <sup>1</sup>	220/180-242 <sup>1</sup>	230/207-253 <sup>1</sup>	240/211-264 <sup>1</sup>	127/95-155 <sup>1</sup>
Nominal output frequency (Hz)	50/45-55 <sup>1</sup>	50/45.5-54.5 <sup>1</sup>	50/47-53 <sup>1</sup>	60/59.3-60.5 <sup>1</sup>	60/55-65 <sup>1</sup>
Power factor			>0.99		
Total harmonic distortion			<3%		
Maximum units per branch	22	22	14	17/21	8/10
<b>Efficiency</b>					
Peak inverter efficiency			95.5%		
<b>Mechanical Data</b>					
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 × 150 × 29		
Weight (kg)			1.5		
Enclosure rating	IP65	IP65	IP65	NEMA 3R	NEMA 3R
Cooling			Nature Convection		
<b>Features &amp; Compliance</b>					
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.

## APS America

Add: 19925 Stevens Creek Blvd, Suite 100, Cupertino, CA 95014  
Tel: 01 408 973 7888  
Washington office: 1015 Hostmark St.Suite 104 Poulsob, WA 98370  
Tel: 01 206 855 5100

## APS Australia

Add: 6/11-17 Banks Street, Mays Hill, NSW 2145,Australia  
Tel: +61 2 9633 3478

## APS Jiaxing China

Add: No. 1, Yatai Road, Nanhu District, Jiaxing, Zhejiang  
Tel: +86 573 8398 6967

## APS Shanghai China

Add: B403 No. 188, Zhangyang Road, Pudong, Shanghai  
Tel: +86 21 3392 8205

## APS Beijing China

Add: Room 505, No. 10 Building, Jianwai SOHO, No. 39 East Sanhuan zhong Road, Chaoyang District, Beijing.  
Tel: +86 010 5266 5807

24-hour Hotline: 400-100-8470  
[info@altenergy-power.com](mailto:info@altenergy-power.com)

