

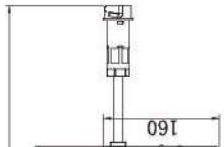
YC250-SAA
YC250-EU
YC250-MX

YC250-CN
YC250-NA

Power 250 W

Efficiency > 95%

Harmonic distortion < 3%



Advantages

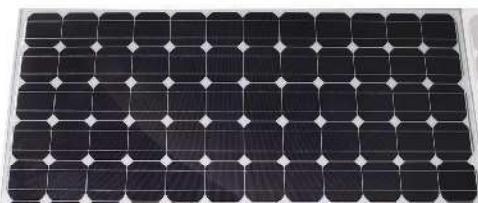
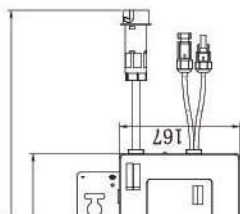
- Safety: No DC high voltage, no personal injury and fire hazard
- Flexibility: Adapted anywhere, single cable accesses
- Reliability: Design lifetime 25 years
- Cost saving: Simplified design, no DC elements, labor saving
- Smart: MLPM, worldwide on-line system troubleshooting
- Productivity: Up to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

Power (S1C) range (W)	22~45
MPPT voltage range (V)	12~55
Operation voltage range (V)	55
Maximum input voltage (V)	20
Startup voltage (V)	10.5
Maximum input current (A)	12
Output Data (AC)	
Maximum output power (W)	250
Maximum output current (A)	1.14
Maximum output voltage (V)	230/200-270
Nominal output frequency (Hz)	50/47.5-50.5
Power factor	>0.99
Total harmonic distortion	<3%
Maximum units per branch	14/20A breaker 18/25A breaker
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
Cooling	Nature Convection
Features & Compliance	
Communication	Powerline
Design lifetime (year)	25
Emissions & immunity (EMC) compliance	EN61000-6-3 : 2007 EN61000-1/2/3/4 FCCPART 15
Safety class compliance	IEC 62109-1/2 AS3100 IEC2109-1:2010CNCA/ CTS004:2009A
Grid connection compliance	AS4777.2:2005 AS4777.3:2005 CNCA/ CTS0004-2009A
Programmable through ECU to meet customer need.	
APS America	
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YC500-SAA
 YC500-EU
 YC500-MX

YC500-CN
 YC500-NA

two modules,
 over 500W
 each module
 %



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

power (STC) range (W)	22~45
MPPT voltage range (V)	12~55
Operation voltage range (V)	55
Maximum input voltage (V)	20
Startup voltage (V)	10.5 X 2
Maximum input current (A)	12 X 2
Maximum output power (W)	500
Maximum output current (A)	2.17
Maximum output voltage (V)	230/200-270
Nominal output frequency (Hz)	50/47.5-50.5
Power factor	>0.99
Total harmonic distortion	<3%
Maximum units per branch	11
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)	221 x 167 x 29
Weight (kg)	2.5
Enclosure rating	IP65
Cooling	Nature Convection
Features & Compliance	
Communication	Powerline
Design lifetime (year)	25
Emissions & immunity (EMC) compliance	EN61000-6-3 : 2007 EN 61000-1/2/3/4 CISPR 11 Class B EN 55022 Class B EN 55024 Class B
Safety class compliance	IEC 62109-1/2 AS3100 EN 62109-1&2 UL 1741
Grid connection compliance	AS4777.2:2005 AS4777.3:2005 CISPR 11 Class B EN 55022 Class B EN 55024 Class B EN 50438:2007, VDE4105 (Except sections 6.5 and 8.3.1) VDE0126-1-1/A1 and G83
Programmable through ECU to meet customer need.	
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