

YC500-SAA Technical Specifications

Type	YC500-SAA(for 2 panels)
Input Data (DC)	
Recommended PV module power (STC) range	180W-310W
MPPT voltage range	22V-45V
Operation Voltage Range	16V-45V
Maximum input voltage	55V
Startup Voltage	22V
Maximum input current	12 Ax 2
Output Data (AC)	
Rated output power	500W
Max. Output current	2.17A
Nominal output voltage	230V
output voltage range	187V-270V ¹
Nominal output frequency	50Hz
Output frequency range	45Hz-55Hz ¹
Power factor	>0.99
Total Harmonic Distortion	<3%
Maximum units per branch	11
Efficiency	
Peak inverter efficiency	95.5%(with HF Transformer)
Night-time Power Consumption	120mW
Mechanical Data	
Operating Ambient temperature	-40 °C to +65 °C
Operating Internal temperature	-40 °C to +85 °C
Storage temperature range	-40 °C to +85 °C
Dimensions (W x H x D)	220mm X 160mm X 29mm
Weight	2.5kg
Enclosure Rating	IP65
Cooling	Natural Convection
Features & Compliance	
Communication	Powerline
Grid connection compliance	AS4777.2:2005; AS4777.3:2005
Safety class compliance	AS/NZS 3100:2009
¹ Programmable through ECU to meet customer need.	

The specifications are subject to change without notice.