



Type	YC500 (for 2 panels)
<b>Input Data (DC)</b>	
Recommended PV module power (STC) range	180W-280W
MPPT voltage range	22V-45V
Maximum input voltage	55V
Maximum input current	12A
Maximum input power	265W x 2
<b>Output Data (AC)</b>	
Rated output power	500W
Max. Output current	2.4A
Nominal output voltage/range	Match grid requirement
Nominal output frequency/range	Match grid requirement
Power factor	>0.95
Total Harmonic Distortion	<3%
Maximum units per 20A branch	7
<b>Efficiency</b>	
Peak inverter efficiency	95.5%
Euro weighted efficiency	95.0%
Nominal MPP tracking efficiency	99.0%
<b>Mechanical Data</b>	
Operating temperature range (Ambient)	-40°C to +65°C
Storage temperature range	-40°C to +85°C
Dimensions (W x H x D)	220mm X 160mm X 25mm
Weight	2.5kg
Enclosure Rating	IP65
Cooling	Natural Convection
<b>Features &amp; Compliance</b>	
Communication	Powerline
Design lifetime	25 yrs