

GS500 TECHNICAL SPECIFICATIONS

TYPE		GS500 (FOR 2 PANELS)
Input Data (DC)		
Recommended PV module power (STC) range		180W-280W
MPPT voltage range		22V-45V
Maximum input voltage		55V
Maximum input current		12 Ax 2
Output Data (AC)		
Rated output power		500W
Max. Output current		2.17A
Nominal output voltage		220V
output voltage range		187V-270V ¹
Nominal output frequency		50Hz
Output frequency range		49.5Hz-50.2Hz ¹
Power factor		>0.99
Total Harmonic Distortion		<3%
Maximum units per branch		11
Efficiency		
Peak inverter efficiency		95.5%
Mechanical Data		
Storage temperature range		-40°C to +85°C
Operating temperature range (Ambient)		-40 °C to +65 °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
Design lifetime		25yrs
Grid connection compliance		AS4777.2:2005; AS4777.3:2005
Safety class compliance		AS/NZS 3100:2009
¹ Programmable through ECU to meet customer need.		