

Technical Specification PG0 Series–Master 2016

Model	PG0-300-M	System Functions
Input Voltage Source ACV-DCV		
Solar Input	29 ~ 31.5V	Charging Voltage DCV
Utility Input	110/240V	Charging Voltage ACV
Vehicle Input	24VDC	Charging Voltage DCV
Input Power Source AC-DC		
Solar Power	100W ~ 150W	Charging Power
Floating	<15W	Floating Charging Power
Utility Power	150W	Charging Power
Floating	<15W	Floating Charging Power
Vehicle Power	Yes	Vehicle Charging Power (DC-DC Converter)
Floating	<15W	Floating Charging Power
Utility Charging Duration	2.5 ~ 3 Hours	Charging Duration Hours
Solar Charging Duration	2.5 ~ 4 Hours	Charging Duration Hours
Generator Output Power AC		
Voltage	110/230V	Output ACV
Frequency	50/60Hz±3	Output Frequency
Output Amps	1.35A	Output Current ACA
Surge Output Current	2.7A	Surge Output Current 3sec ACA
THD	<3%	Total Harmonic Distortion
Rated Power	300W	Output Power Load
Surge Power	600W	Surge Power Support < 2 Sec
Output Waveform	Pure Sine Wave	AC Output Pure Sine Wave
Output Power Socket	ERA Clipsal 13A Power Socket	AC Outlet Power Socket (1-Socket)
Generator Output Power Protection		
OCP	Yes	Over Current Protection
OTP	Yes	Over temperature protection
OVP	Yes	Overvoltage Protection
ACV Short Circuits	Yes	Output ACV
Low Voltage Shutdown	Yes	AC & DC
Auto Reset	Yes	Protected Activated 5sec
Overload Protection	Yes	AC-Load
Soft Start	Yes	Output: Voltage, Power, Amps
Parallel System	-	-
Efficiency	>92%	Output Power Efficiency
Cooling Method	Yes	Intelligent Air Cooling
Working Temperature	20 ° C to 50 °C	Temperature
Phase	Single Phase 1∅	Single Phase 2 Wire
Storage Temperature	-30° - +70°	Temperature
Humidity	5% ~ 90%	Non-Condensing
Reverse Polarity Protection	Yes	Dc Input Reverse Polarity
Power Factor	90 ~ 100 %	Power Quality
Energy Saving Features		
Online	Yes	Charging With Load 24-Hours
Energy Saving Utility	> 60% @ 100W	Utility Source
Energy Saving Solar	100% @ Full Load	Solar Source
Energy Saving Dual Source	>70% @ Full Load (U)	Utility & Solar Dual Source
Physical Size & Weight		
Dimension (mm)	W155 *L430 *H200	Product Dimension
Weight	16.5kg	Weight +/- 5%

