Powa-Prod 600W Pure Sine Wave 12V DC Inverter with Intelligent Charger & LCD Display - SA Socket AC Output

The Powa-Prod SO02-03 Pure Sine Wave Inverter is designed for increased backup-time power solutions for home or office appliances. In addition to the inverter function, the SO02-03 also contains a powerful intelligent multi-stage battery charger. The Pure Sine Wave output is suitable for any kind of loads. The ultra fast transfer time of less than 10ms makes it an ideal UPS solution for ITC equipment.

DC Input	
Nominal input voltage	12 v
DC input voltage range	10 - 15 v
AC Input	
Bypass voltage	0 - 264 Vac for 220 / 230 / 240 Vac
AC voltage	156 - 294 Vac
Nominal input frequency	50 / 60 Hz ± 0.3 (auto-sensing)
Output (AC Only)	
DC mode output voltage	220 / 230 / 240 Vac ± 5%
AC mode output voltage	220 / 230 / 240 Vac ± 5% or 100 / 110/ 115/ 120 Vac ± 5%
Nominal output frequency	50 / 60 Hz ± 0.3 (auto-sensing & settable)
Output waveform	Pure sine wave
Output power	600 w
Efficiency	Max. 95% (mains mode); Max. 80% (inverter mode)
ECO mode	Settable (< 3% load) to enter in 80 s
No—load shutdown	Settable, time can be set (1 - 99 min), load can be set (3% - 50%)
Transfer time	less than 10 ms
Power factor	1
THD	less than 5% (linear load)
Inductive load	Yes
Motor load	Yes
Rectifier load	Yes
Overload capability	Mains mode: 110% for 120s, 125% for 60s, 150% for 10s (switch to bypass)
	Inverter mode: 110% for 60s, 125% for 10s, 150% for 10s (shut down)
Battery	
Charging current (selectable)	Max. 30 A
Equalizing charge voltage	Single battery 14.4 Vdc (default), 13.6 - 15 Vdc adjustable
Floating charge voltage	Single battery 13.7 Vdc (default), 13.2 - 14.6 Vdc adjustable
Charge mode	3 stage charge mode
EOD	Single battery 10.2 Vdc (default), 9.6 - 11.5 Vdc adjustable
Reverse warning	Buzzer
General	
Interface	LCD & BUZZER
Operating temperature	0℃ - 40℃
Operating humidity	5% - 95% RH
Forced air cooling	Variable speed fans
Net weight (kg)	10.5
Gross weight (kg)	11.3
Dimensions (W x D x H) (mm)	400 x 210 x 127