



# PLAN MY POWER (PTY) LTD

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## SOLAR INVERTER

### PM-1500SL



Model No.	PM-1500SL-12	PM-1500SL-24
<b>1. INVERTER SECTION</b>		
Nominal power	1500W	1500W
Maximum power 30 min	1700W	1700W
Maximum power 3 min	2300W	2300W
Maximum power 5 sec	3000W	3000W
Nominal battery voltage	12V	24V
Input voltage range	9.5 ~ 16V	19 ~ 32V
Output voltage	110Vac	
Output frequency	50Hz / 60Hz	
Total harmonic distortion (THD)	<2%	
Dynamic behavior 0→100%	0.5 ms	
Maximum load	Up to short circuit	
Asymmetrical load max.	Up to nominal output power	
Overload and short circuit protection	Automatic disconnection with 5 times restart attempt	
Overheating temperature protection	Acoustic warning before shut-off. Automatic restart	
Power factor range	0.1 ~ 1	
Standby adjustable	1 ~ 25W	
Maximum efficiency	88%	

## 2. BATTERY CHARGER SECTION

Maximum input voltage	265Vac, 350V peak	
Minimum input voltage	Adjustable 150 ~ 230Vac	
Input frequency range	45 ~ 63Hz	
Charging current adjustable	0 ~ 50A	0 ~ 30A
Setting of AC Input current Power Sharing	0 to 15A	

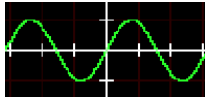
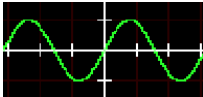
## 3. SOLAR CHARGE REGULAYOR-FLOATING

Maximum poen circuit voltage	25V	45V
Maximum charger current	30A	30A

## 4. BATTERY CHARGE MONITORING (25C)

Low battery disconnection voltage	10.8V	21.6V
Bluk voltage	11.2V ~ 12.0V (11.6V)	22.4V ~ 24.0V (23.2V)
Absorption voltage	14.2V ~ 15.0V (14.4V)	18.4V ~ 30.0V (28.8V)
Equalization voltage every 25 cycles	15.1V ~ 15.5V (15.3V)	30.2V ~ 31.8V (30.6V)
Floating voltage	13.3V ~ 13.7V (13.5V)	26.6V ~ 27.4V (27.0V)
Absorption charge time	0 ~ 4h (2h)	
Temperature compensation (Option)	3mV / °C cell	

## 5. GENERAL DATA

AC by pass time (UPS-mode)	20ms max.	
Potential free multifunction contact	16A - 250Vac / 3A - 60Vdc x 2	
Max current at transfer relay	15A / AC 220V	
Operating temperature	-20°C to +55°C	
Fan force ventilation	From 45°C / over 75°C will be trip	
Protection index IP	IP 20	
Net weight (kg)	23.60	23.60
Dimension (L x W x H mm)	350 * 280 * 190	350 * 280 * 190
Output Waveform	 Pure sine wave	 Pure sine wave

\*\*We reserve the right to modify the above-mentioned specifications.