

Growatt 2000-24SLP / 2000-48SLP /
3000-24SLP / 3000-48SLP



Leading - edge Technology

- ▶ Pure sine wave inverter
- ▶ Built-in MPPT solar charge controller
- ▶ Selectable input voltage range for home appliances and personal computers
- ▶ Selectable charging current based on applications
- ▶ Configurable AC/Solar input priority via LCD setting
- ▶ Compatible to mains voltage or generator power
- ▶ Auto restart while AC is recovering
- ▶ Overload and short circuit protection
- ▶ Smart battery charger design for optimized battery performance
- ▶ Cold start function

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Datasheet	Growatt 2000-24SLP	Growatt 2000-48SLP	Growatt 3000-24SLP	Growatt 3000-48SLP
Rated Power	2000VA/1600W	2000VA/1600W	3000VA/2400W	3000VA/2400W
INPUT				
Voltage	120 VAC or 230 VAC	120 VAC or 230 VAC	120 VAC or 230 VAC	120 VAC or 230 VAC
Selectable Voltage Range	95-140 VAC or 170-280 VAC (For Personal Computers) 65-140 VAC or 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)
OUTPUT				
AC Voltage Regulation (Batt. Mode)	110/120 VAC \pm 5% (User selectable) or 230VAC \pm 5%	110/120 VAC \pm 5% (User selectable) or 230VAC \pm 5%	110/120 VAC \pm 5% (User selectable) or 230VAC \pm 5%	110/120 VAC \pm 5% (User selectable) or 230VAC \pm 5%
Surge Power	4000VA	4000VA	6000VA	6000VA
Efficiency (Peak)	90% - 93%	90% - 93%	90% - 93%	90% - 93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)			
Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
BATTERY & AC CHARGER				
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	54 VDC
Overcharge Protection	31 VDC	62 VDC	31 VDC	62 VDC
Maximum Charge Current	20 A or 20 A / 30 A*	10 A or 10 A / 15 A*	20 A or 20 A / 30 A*	10 A or 10 A / 15 A*
SOLAR CHARGER				
Maximum PV Array Power	1500 W	3000 W	1500 W	3000 W
MPPT Range @ Operating Voltage	30~ 115 VDC or 60 ~ 115 VDC	60 ~ 115 VDC	30~ 115 VDC or 60 ~ 115 VDC	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC	145 VDC	145 VDC	145 VDC
Maximum Charge Current	60A	60A	60A	60A
Maximum Efficiency	98%	98%	98%	98%
Standby Power Consumption	2 W	2 W	2 W	2 W
PHYSICAL				
Dimension (D x W x H)mm	140 x 295 x 479	140 x 295 x 479	140 x 295 x 479	140 x 295 x 479
Net Weight (kgs)	11.5	11.5	11.5	11.5

OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	0° C - 55° C	0° C - 55° C	0° C - 55° C	0° C - 55° C
Storage Temperature	-15° C - 60° C	-15° C - 60° C	-15° C - 60° C	-15° C - 60° C

* There are charging current selection only available for 230VAC system.
Product specifications are subject to change without further notice

Datasheet	Growatt 2000-24SLP	Growatt 2000-48SLP	Growatt 3000-24SLP	Growatt 3000-48SLP
Inverter Power	1600W	1600W	2400W	2400W
Pmax. generated from solar charger	60Amp, 1500W	60Amp, 3000W	60Amp, 1500W	60Amp, 3000W
Best Panel Configuration	1500Wp (250Wp x 6pcs)	1500Wp (250Wp x 6pcs)	1500Wp (250Wp x 6pcs)	3000Wp (250Wp x 12pcs)