

Growatt 2000-24SL / 3000-24SL /
3000-48SLP / 4000SL / 5000SL

powering tomorrow
Growatt



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 application
- ▶ 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
- ▶ Parallel operation with up to 6 units only available for 4KVA/5KVA
- ▶ Optional Remote Control Panel available

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Datasheet	Growatt 2000-24SL	Growatt 3000-24SL	Growatt 3000-48SLP	Growatt 4000SL	Growatt 5000SL
Rated Power	2000VA/1600W	3000VA/2400W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT					
Voltage	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 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)	50 Hz/60 Hz (Auto sensing)
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	230VAC \pm 5%	230VAC \pm 5%	230VAC \pm 5%	230VAC \pm 5%
Surge Power	4000VA	6000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	93%	93%	93%	93%	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	Pure sine wave
BATTERY & AC CHARGER					
Battery Voltage	24 VDC	24 VDC	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	54 VDC	54 VDC	54 VDC
Overcharge Protection	31 VDC	31 VDC	62 VDC	60 VDC	60 VDC
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Power	600 W	600 W	3000 W	3000 W	3000 W
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~ 115VDC	60VDC ~ 115VDC	60VDC ~ 115VDC
Maximum PV Array Open Circuit Voltage	75 VDC	75 VDC	145 VDC	145 VDC	145 VDC
Maximum Solar Charge Current	25A	25A	60 A	60 A	60 A
Maximum AC Charge Current	20 A or 30 A	20 A or 30 A	10 A / 15 A	60 A	60 A
Maximum Charge Current	30A	30A	60 A	120A	120A
Maximum Efficiency	98%	98%	98%	98%	98%
Standby Power Consumption	2 W	2 W	2 W	2 W	2 W
PHYSICAL					
Dimension (D x W x H)mm	100 x 272 x 355	100 x 272 x 355	140 x 295 x 479	120 x 295 x 468	120 x 295 x 468
Net Weight (kgs)	7.0	7.4	11.5	11	11
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	0° C - 55° C
Storage Temperature	-15° C - 60° C	-15° C - 60° C	-15° C - 60° C	-15° C - 60° C	-15° C - 60° C

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Inverter Power	1600W	2400W	2400W	3200W	4000W
Pmax. generated from solar charger	25Amp , 600W	25Amp , 600W	60Amp , 3000W	60Amp , 3000W	60Amp , 3000W
Best Panel Configuration	500Wp (250Wp x 2pcs)	500Wp (250Wp x 2pcs)	3000Wp (250Wp x 12pcs)	3000Wp (250Wp x 12pcs)	3000Wp (250Wp x 12pcs)