

# Growatt ShineMaster-X

- Up to 124 inverters control
- Multiple communication methods
- Integrated with lightning protection module
- System export limitation



P O W E R  
- I N G O  
T O M O -  
R R O W O

**GROWATT**

[www.ginverter.com](http://www.ginverter.com)

Parameters	ShineMaster-X
<b>Device management</b>	
Max. number of connected devices	124
<b>Device management</b>	
LAN	LAN x 1, RJ45, 10 / 100 Mbps (Built-in 1.5KV magnetic isolated protection)
RS485	COM x 4, A+, B-, 9600 / 38400 bps, 500m (8, N, 1)
CAN	CAN2.0 x2,100K / 250K / 500K
SIM card	2G / 3G / 4G
Digital / Analog Input / Output	DI x 5, DO x 2, AI x 4
Active do	12 V, 100 mA (Relays, sensors connectable)
<b>Communication protocol</b>	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU
<b>Display</b>	
LED	LED x 5-POWER, RUN/FAULT, WiFi/Bluetooth, LAN, 4G
WEB	Embedded Web
USB	USB 2.0 x 1 (HOST, OTG)
APP	Commissioning via Bluetooth/WiFi
<b>Environment</b>	
Operating temperature range	-30°C~65°C (-22°F~149°F)
Storage temperature	-40°C~70°C (-40°F~158°F)
Relative humidity (Non-condensing)	5%~95%
Max. operating altitude	4,000m (13,123 ft.)
<b>Electrical</b>	
AC power supply	100~240 Vac, 50 Hz / 60 Hz
DC power supply	24 V, 1A
<b>Mechanical</b>	
Dimensions (W/H/D)	232/40/140mm
Weight	1.2kg
Protection degree	IP20
Installation options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting
CE	

