Growatt ShineWiFi-X

- Cable free, easy installation
- USB communication port
- Built-in memory for up to one month of data
- Online monitoring and maintenance



POWER-ING TOMO-RROW

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Datasheet	ShineWiFi-X
Wireless Parameters	
Wireless standard	802.11 b/g/n
Frequency range	2.4GHz~2.5GHz (2412MHz~2484MHz)
Transmit power	802.11b: 16±2 dBm (@11Mbps) 802.11g: 14±2 dBm (@54Mbps) 802.11n: 13±2 dBm (@HT20, MCS7)
Receiver sensitivity	CCK, 1 Mbps : -90dBm CCK, 11 Mbps: -85dBm 6 Mbps (1/2 BPSK): -88dBm 54 Mbps (3/4 64-QAM): -70dBm HT20, MCS7 (65 Mbps, 72.2 Mbps): -67dBm
Hardware Parameters	
Data interface	USB
Operating voltage	5V(±5%)
Rated power	1.2W
Display	LED
Application Parameters	
Supported servers	ShineServer
Inverter communication	USB (Modbus RTU protocol)
Server communication	TCP (Modbus TCP protocol)
Max. communication range	50m
Configuration type	APP configuration
Data transmission interval	5 Minutes
Default server URL	server.growatt.com
General Data	
Dimensions(L/W/H)	135/79/29 mm
Weight	60g
Operating temperature range	–20 °C ~ +65 °C
Warranty	1 year
	CE

SHENZHEN GROWATT NEW ENERGY CO.,LTD. A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com

Growatt ShineWiFi-F

- Cable free, easy for installation
- Communication distance up to 50m
- Built-in memory for up to one month of data
- Online monitoring and maintenance



POWER-ING TOMO-RROW

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Datasheet	ShineWiFi-F
General Data	
Dimensions(L/W/H)	135/79/29mm
Weight	63g
Manual language	English, Chinese
Wireless Parameters	
Wireless type	WiFi
Wireless standard	802.11 b/g/n
Transmit power	802.11b: +20dBm(Max.); 802.11g: +18dBm(Max.); 802.11n: +15dBm(Max.)
Receiver sensitivity	802.11b: -89dBm(Max.); 802.11g: -81dBm(Max.); 802.11n: -71dBm(Max.)
Hardware Parameters	
Data interface	UART: 9600bps; Ethernet: 100Mbps
Operating voltage	5V (+/-15%)
Operating current	1A
Operating temperature	-20°C~+65°C
Storage temperature	-40°C~+70°C
Network type	AP (Acess Point); station mode (with soft AP)
Security mechanisms	WEP / WPA-PSK / WPA2-PSK
Encryption	WEP64 / WEP128 / TKIP / AES
Application on Parameters	
Supported servers	ShineServer
Inverter communication	USB A-type
Sever Communication	WiFi via router (Modbus TCP protocol)
Supported Routers	Wireless router (Include 3G router)
User Configuration Interface	Wireless web server (Internet Browser)
Max. Communication Range	100m
Data transmission interval	5 minutes
Default Server URL	server.growatt.com

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ShineWiLan-X2

· Online monitoring and maintenance

· Integrated with WLAN, Lan and Bluetooth modules

· Built-in memory for up to one month of data

· Local configuration and firmware upgrade function



POWER-ING TOMO-RROW

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Datasheet	ShineWiLan-X2
Wireless parameters	
Wireless standard	802.11 b/g/n BLE:4.2
Wireless frequency range	2.4GHz
Transmit power	802.11b: 19.5±2 dBm (@11Mbps) 802.11g: 14±2dBm (@54Mbps) 802.11n: 18±2dBm (@HT20, MCS0) 802.11n: 13±2dBm (@HT20, MCS7) BLE:0±2dBm(@1Mbps)
Receiver sensitivity	CCK, 1 Mbps : -97dBm±2dBm CCK, 11 Mbps: -88dBm±2dBm 6 Mbps (1/2 BPSK): -92dBm±2dBm 54 Mbps (3/4 64-QAM): -75dBm±2dBm HT20, (MCS0) : -92±2dBm HT20, (MCS7) : -72±2dBm HT40, (MCS0) : -89±2dBm HT40, (MCS7) : -69±2dBm BLE:-93±2dBm (@1M,30.8%PER)
Theoretical communication distance	LAN:100m (Cat5e) WiFi:50m (without obstruction)
Hardware parameters	
Data interface	USB
Nominal voltage	5V(+/-5%)
Typical power consumption	2.5W
Display	LED
Working temperature	-30°C ~ +65°C
Storage temperature	-40°C ~ +70 °C
Protection grade	IP65
Application parameters	
Supported servers	ShineServer
Inverter communication	Modbus RTU
Server communication	MQTT
Supported networks	2.4GHz WiFi, Bluetooth 4.2
User configuration interface	APP Configuration
Data transmission interval	5 Minutes
Default server URL	server.growatt.com
General data	
Dimensions (W/H/D)	47/152/28mm
Weight	94g
	CE, UKCA, SAA, RoHS

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Growatt ShineLink-X

- Cable free, easy installation
- Dynamic IP, plug and play
- Communication distance up to 120m
- Support up to 8 devices
- Built-in memory for up to one month of data
- Online monitoring and maintenance



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Datasheet	ShineLink-X
Communication Interface	
RF433	Yes
RF433(No barrier wall)	Up to 120 m
RF433(two walls blocking)	20 m
Power Supply	
Power consumption	<2W standby, <5W peak
Voltage range	196V~250V
Frequency	50/60Hz
General Specifications	
Dimensions(L/W/H)	105/85/26mm
Weight	< 1kg
Mounting options	Tabletop/wall-mount
Protection degree	IP30
Display	LED
Ambient temperature range	-20 to 65 °C
Humidity	0-95% (non condensing)
Features	
Remote firmware upgrade	Yes
Max. number of devices to monitor	8(RF433)
Warranty	1 years
	CE

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