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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