



Technical Note 4: Dongle Specifications



MODEL	WI-FI (OLD VERSION)	E WIFI (INCLUDED WITH INVERTER)	GPRS	WLAN
SIZE	86*55*23mm		106*55*23mm	86*55*23mm
WEIGHT	34g		48g	34g
PROTECTION GRADE	IP65	IP65	IP65	IP65
INSTALLATION	Fixed on the device by screws	Fixed on the device by screws	Fixed on the device by screws	Fixed on the device by screws
RATED VOLTAGE	5V	5v	5V	5V
MAXIMUM CURRENT	0.25A	0.5	2A	0.25A
EXTERNAL INTERFACE	HDMI	HDMI	HDMI	HDMI
INDICATOR LIGHT	3		3	3
OPERATING TEMPERATURE	-25°C~60°C	_-25 ~ 70°C	-25°C~60°C	-25°C~60°C
STORAGE TEMPERATURE	-25°C~60°C	_-25 ~ 70°C	-25°C~60°C	-25°C~60°C
LOCAL COMMUNICATION INTERFACE	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL
PUBLIC NETWORK ACCESS	Wi-Fi	WI-FI, BLUETOOTH	GPRS/TD-SCDMA/WCDMA/TLE	Wi-Fi
BAUD RATE	19200bps (Default)	19200bps (Default)	19200bps (Default)	19200bps (Default)
WORKING FREQUENCY	2.412GHz - 2.484GHz	2.412GHz - 2.484GHz		2.412GHz to 2.484GHz
MAXIMUM TRANSMISSION RATE	72Mbps		10Mbps	72Mbps
COMMUNICATION DISTANCE	10m	100m(Unobstructed);30m(indoors)	Operator network	100m
ANTENNA GAIN	2.5dBi		2.5dBi	2.5dBi
TRAFFIC CARD	N/A	N/A	4G Traffic card	
EQUIPMENT LAYER COMMUNICATION PROTOCOL	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU
NETWORK LAYER COMMUNICATION PROTOCOL	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP
WAY OF PARAMETER SETTINGS	App/Remote server	App/Remote server	App/Remote server	App/Remote server
FIRMWARE UPDATE WAY	Local tools	Local tools	Local tools	Local Tools
COMPATIBILITY	G1&G2 8K/G1&G2 12K	G2 8K/G1,G2,G3 12K	G2 8K/G1,G2,G3 12K	G2 8K/G1,G2,G3 12K



G2 8K & G3  A front-facing view of a Fortress Power G2 8K & G3 unit. It is a tall, rectangular cabinet with a light grey upper half and a dark grey lower half. The word "ENVY" is embossed in large letters on the dark grey section. A small digital display screen is mounted on the grey section, showing a green interface with various data points. The unit has a handle on the left side and several ports on the right side.	G2 & G3 12K  A front-facing view of a Fortress Power G2 & G3 12K unit. It is a tall, rectangular cabinet with a light grey upper half and a dark grey lower half. The word "ENVY" is embossed in large letters on the dark grey section. A small digital display screen is mounted on the grey section, showing a green interface with various data points. The unit has a handle on the left side and several ports on the right side.
G1 8K  A front-facing view of a Fortress Power G1 8K unit. It is a tall, rectangular cabinet with a white upper half and a dark grey lower half. A small digital display screen is mounted on the white section, showing a green interface with various data points. The unit has a handle on the left side and several ports on the right side.	G1 12K  A front-facing view of a Fortress Power G1 12K unit. It is a tall, rectangular cabinet with a white upper half and a dark grey lower half. A small digital display screen is mounted on the white section, showing a green interface with various data points. The unit has a handle on the left side and several ports on the right side.