

WiFi Solar Power Case

When connecting becomes important

A portable WiFi power case that allows you to receive and send data over the internet. The case that also supplies power via AC/DC and USB ports.

The case also will charge using the fold out solar panels, you can also charge via a vehicle and mains power.



Fully enclosed and robust with AC/DC and 12V power supply



Foldable 60W solar panels making it easy to charge in the field

OTHER FUNCTIONS

Internal GPS: This allows the case to be tracked and ARMED. If the case is moved, then you are alerted, and you can then track the case live.

SOS/Torch Function: The case also has an emergent light that can be activated if this requirement is needed.

Ethernet Port: For greater internet speeds from 10/100 Mbps and for those wishing to connect over a more secure means, there is an ethernet port for this use.

WiFi Speed: 4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 42 Mbps, 2G – Up to 236.8 kbps

Power Outputs: AC output 110-240V DC 12V and a DC 12V car socket, plus two USB DC 5V/2A

Charging or powering up items: Items like laptops and Plasma screens and other electrical goods that require power can be used, the maximum is 350W.

Foldable Removable Solar Panels: The panel can be removed from the case using a supplied panel extension cable, this is great when you may be required to move the panels facing the sun to obtain a faster charge.

Digital Battery Display: This is situated on the front of the case.

Remote viewing with charging capacity and current battery strength: You can view this and the location from the Tactical Tracking APP.

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Security Solutions



CHARGING TIMES	
Charging Method	Charging Time
AC Charging	9 Hours
DC 12V Charging	9 Hours
50 W Solar Panel Charging	18 Hours

TYPICAL BATTERY USAGE CASE	
Device	Usage Time Hours
5W LED Bulb	90
32W LED TV	15
30W Laptop	15
12W Satellite Phone	36
10W Tablet	45
4W GPS	112.5

Data Sim Card inside the case:

Gotek7 can supply a multi roaming data sim card that will connect to the strongest network if required. However, you are free to place your own sim card inside the case. APN details can be changed by connecting to the router, access details are provided when purchasing the case.

Access to the sim card requires the lid being removed, access is not simple, so this prevents unauthorised access to the sim card

SPECIFICATIONS	
Waterproof Rate	IP65
Solar Panels	Mono-crystalline 5*10W 16V
Solar Inverter	Pure sine wave 350W AC
Solar Controller	12V 5A
Internal Battery	Lithium polymer 11.1V48Ah(532.8Wh)
LED Flashlight	3W lighting with SOS feature
Outputs	AC output DC 12V (5.5*2.1mm port)-2 pcs DC 12V car socket DC 5V/2A USB
Inputs	AC input DC 12~23V/4A-1
Dimension	17.80*13.66*5.39 in
Weight	23.15lbs

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ROUTER HARDWARE SPECS

Mobile	4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
CPU	Atheros Hornet, MIPS 24Kc, 400 MHz
Memory	16 MB Flash, 64 MB DDR2 RAM
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
Power Supply	9 – 30 VDC, 4 pin DC connector
PoE (passive)	Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010). Possibility to power up through LAN port, not compatible with IEEE802.3af and 802.3at
Inputs/Outputs	1 x Digital Input, 1 x Digital Open Collector Output on power connector
Connectors	1 x 4 pin DC, 2 x Ethernet, 2 x Mobile SMA, 1 x WiFi RP-SMA
SIM	1 x external SIM holder
Status LEDs	2 x connection type status, 5 x connection strength, 2 x LAN status, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	83 mm x 74 mm x 25 mm
Weight	125 g

ROUTER SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Multiple PDN	Possibility to use different PDNs for multiple network access and services
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet, SNMP
Networking features	NAT, Static/Dynamic routing, Firewall, OpenVPN, IPsec, H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
Unique networking features	VLAN, Load balancing, Mobile quota control, WEB Filter, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic Reboot, Wget Reboot, LCP and ICMP for link inspection
Authentication	Pre-shared key, digital certificates, X.509 certificates
Keep settings	Update FW without losing current configuration
Monitoring & Management	WEB UI, SSH, SMS, SNMP, JSON-RPC, FOTA, RMS, MODBUS, MQTT
Supported languages	Busybox shell, Lua, C, C++
Development tools	SDK package with build environment provided