

# Technical Data

GT Crossmodal Solar

	Item	Description
<b>Appearance</b>	Dimensions	7.3" x 2.8" x 1.6" (185mm x 73mm x 41mm) without solar panel and bracket
	Weight	9oz (255gr) without the batteries
<b>Cellular frequency bands</b>	Network availability	GSM/GPRS or EDGE/HSPA+ (3G) or 4G CATM NB1
	Frequency Bands	2G Quad-Band, 3G European: 900/1800/2100 or 3G US 850/1900 MHZ, 4G NB1: Cat.M1 & NB1, LTE-FDD:B1/B2/B3/B4/B5/B8/B12/ B13/B18/B19/B20/B26/B28 LTE-TDD
<b>GPS Technology</b>	GPS	MTK 66 Channels
<b>Electrical specs</b>	Standby mode	40ma at 3V
	Sleep mode	45uA at 3V
	Transmit mode	1.8A pulse at 3V
<b>Power source options</b>	Standard	One 4.2 VDC Lithium rechargeable battery pack with a capacity of 7800mA. Capacity of transmitting around 5000 GPS positions when fully charged. The unit has an internal fast charger. The batteries are charged via an external of the shelf standard 6-24VDC regulated power supply wall powered (110-220 AC) that plugs into the unit via a waterproof connector.
	Optional	Second battery pack can be added with same capacity for transmitting a total of around 10000 GPS positions.
	Solar Powered	The self charging gps tracking device configuration remains as described above, with a rechargeable battery or two battery packs, the solar panel will charge the lithium batteries at 200Mamp in full sun. In a sunny day the solar panel will charge the batteries with power the equivalent to around 20 GPS transmissions.
<b>Environmental Requirement</b>	Operating Temperature	-22° to 176° F (-30° to 80° C)
	Storage Temperature	-40° to 221° F (-40° to 105° C)
	Humidity	0 to 99% 110F (40C), non-condensing
	Shock/Vibration/Mechanical	Meets or exceeds EIA standard RS-316B 3G (operating), 20G (non \operating) XYZ 3 directions. Meets SAE J1455
<b>Enclosure</b>	Enclosure	ABSPC water proof IP67 enclosure, rated UL94V-0
<b>Installation</b>	Bracket	Install mounting bracket on any trailer, container and/or asset.
	Magnets	For easy installation on metal surfaces.
	Tape	Two sided 3M Industrial tape- for a strong, permanent attachment.
	Screws	Mount the Crossmodal device to the asset with screws.