



HiQ
Solar

HiQ Solar Communication Gateway GW-A Specifications



While HiQ Solar inverters can operate without one, a wealth of monitoring and control becomes available when a HiQ Communications Gateway is added to the system. It communicates with local inverters over the power line by being plugged into one phase, and uses a proprietary communication method that is robust and reliable. Instigating auto-discover on the device will cause it to quickly search out newly added inverters and report back.

Once connected to HiQ inverters, the Gateway logs data in near-real-time and stores it on an internal SD card. Up to 10 years of data may be archived this way. Information may be accessed through the touch screen, or over an Ethernet network. The network connection gives access to the built-in web server, allowing complete control through a web browser.

Features

- Touchscreen display
- Communication over power line with inverters
- Ethernet connection for connection to a local LAN
- SD card storage of up to 10 years of data
- Diagnostic USB port may be used to power other low power devices
- Communications Gateway is for indoor use only





Communications Specifications

Gateway Specifications	
AC input voltage, min/nom/max	100/120/135 V (244/277/305 V with CBL-GW277A-6)
AC frequency, min/nom/max	59.3/60.0/60.5 Hz
Operating ambient temp range	-20 to +50 °C
Power consumption	1.5 W typical (4 W max)
Mounting, environmental rating	Indoor - NEMA 1
Memory card	SD compatible, 4-32GB tested, FAT32 formatted
Communication with HiQ Solar Liberty 480V Inverter	Proprietary Power Line Communication
LAN connection, Ethernet	10/100BASE, RJ45 8P8C modular plug
USB port	HiQ diagnostic port, but may be used to power low power external devices (5V, <400mA)
Limited warranty	10 years, optionally extendable
Certification, communications gateway	UL 60950-1, CSA C22.2 No. 60950-1, FCC Part 15
Weight	1.3 lbs
Dimensions	Mounting plate: 7 1/2 x 4" (190 x 101 mm) Enclosure: 5 1/2 x 4 3/4 x 1 1/2" (140 x 121 x 38 mm)

Ordering Guide

Item	Part Number	Description
Communications Gateway	GW-A-120	Communication Gateway 120V. GW-A Communication Gateway (1ea). Includes Ethernet Cable (1ea), memory card for logging and storage of results and CBL-GW120A-6 120V power cable.
	GW-A-277	Communication Gateway, 277V. GW-A Communication Gateway (1ea). Includes Ethernet Cable (1ea), memory card for logging and storage of results and CBL-GW277A-6 277V converter power cable.

