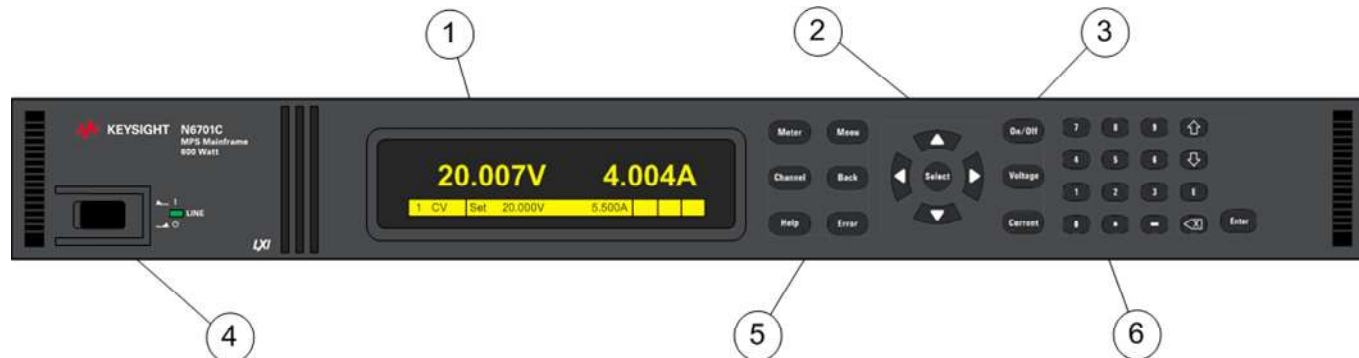
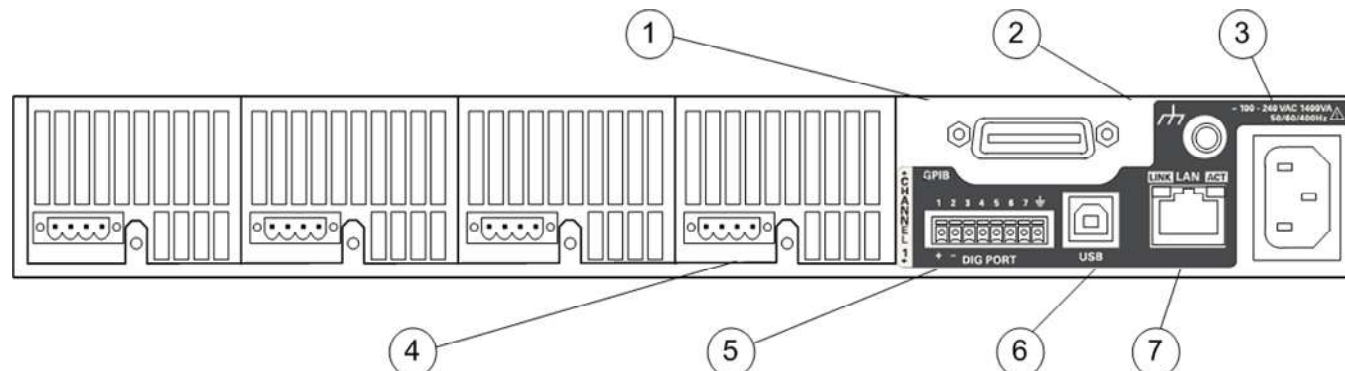


Front and Rear Panels at a Glance



- 1 - **Display** - Turns off after 1 hour of inactivity. Press any key to restore the display.
- 2 - **Navigation keys** - Move the cursor to a menu item. Press Select to select the highlighted item.
- 3 - **Output keys** - Turns the output on or off. Enter voltage and current settings.
- 4 - **On/Off switch and LED** - LED indicates power is on. Green: normal operation. Amber: screen saver mode.
- 5 - **System keys** - Toggle between 1- and 4- channel view. Access front panel menu. Select an output channel.
- 6 - **Numeric entry keys** - Enter numeric values. Arrow keys increment and decrement voltage and current settings.



- 1 - **GPIB** - GPIB interface connector.
- 2 - **Ground** - Mchassis ground binding post.
- 3 - **AC input** - Requires a ground conductor.
- 4 - **Output connector** - Includes +/- output and +/- sense terminals.
- 5 - **Digital Connector** - Pins functions are user-configurable.
- 6 - **USB** - USB interface connector.
- 7 - **LAN** - 10/100 Base-T. Left LED indicated activity. Right LED indicates link integrity.

Additional Information

Built-in instrument help

Press the **Menu** key and scroll to the Help item. Press Enter. Select a Help item from the menu.

Documentation for mobile devices

A manual for mobile devices is available by scanning the following:



Documentation on the Web

Product documentation is available on the Web at <http://www.keysight.com/find/N6700>.

Firmware updates

Install the latest firmware updates from the Web at <http://www.keysight.com/find/N6700firmware>.

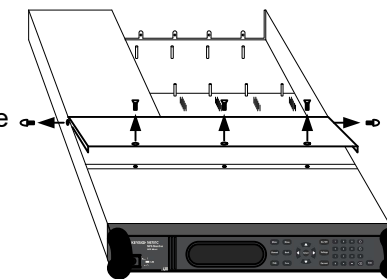
Keysight N6700C series Modular Power System Quick Reference Guide

Thank you for purchasing the Keysight N6700C series Modular Power System. This reference guide will help you quickly get started installing and using your Modular Power System.

Power Module Installation at a Glance

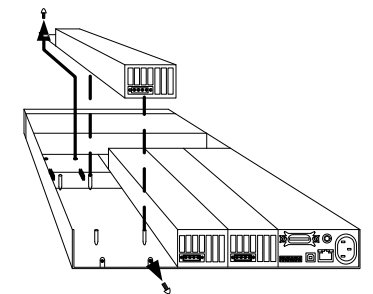
1. Remove the blower cover.

Remove the screws from the top and side of the blower cover.



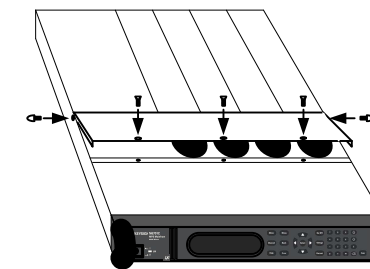
2. Install the power modules.

Align the module over the pins and push it down onto the connector.

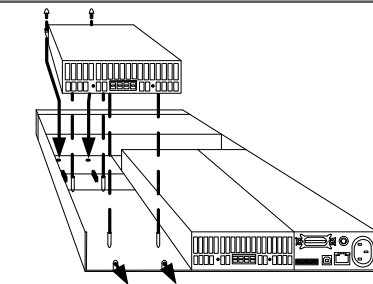


3. Install the blower cover.

Carefully fit the spring clips under the lip of the power modules.

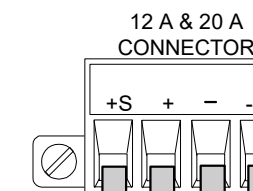
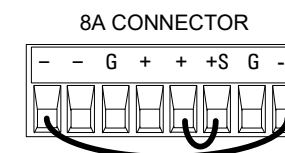


Install the screws at each end of the power module.



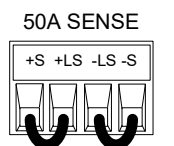
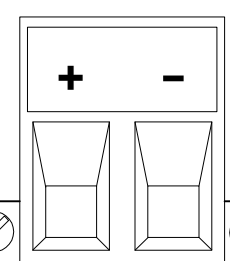
Output Connectors at a Glance

Connectors have local sense jumpers installed




LOCKING SCREW

50 A CONNECTOR



Front Panel Menu Reference

Press the  key to access the front panel Menu.

1st Menu Level	2 nd Menu Level	3 rd & 4 th Levels	Description	
Output	Voltage		Programs voltage setting, limits, and ranges	
	Current		Programs current setting, limits, and ranges	
	Mode		Programs output priority mode on models N678xA SMU	
	Sequence	Delay		Programs Turn-on /Turn off delay
		Couple		Couples output channels for output on/off synchronization
	Advanced	Slew	Voltage	Programs voltage slew rate
			Current	Programs current slew rate on models N678xA SMU
		Power	Programs the power allocation function	
		Pol	Reverses the polarity of the output and sense terminals	
		Resistance	Programs output resistance on models N6781A, N6785A	
		Bandwidth	Programs output voltage bandwidth on models N678xA SMU	
		Tmode	Programs output turn-off impedance mode on N678xA SMU	
	Measure	Range		Selects voltage and current measurement range
		Sweep		Specifies measurement points, time interval, & trigger offset
Window			Selects measurement window: Rectangular, Hanning	
Input			Selects Auxiliary voltage measurements on N6781A, N6785A	
Control			Lets you abort a measurement in progress	
Transient	Mode		Selects voltage or current transient modes	
	Step		Programs voltage and current step values	
		List	Pace	Specifies Dwell or Trigger paced list
		Repeat	Specifies number of list repetitions or continuous list	
		Terminate	Specifies list settings when the list terminates	
		Config	Configures list step voltage, current, dwell, & trigger signals	
		Reset	Aborts the list and resets all list parameters	
		TrigSource	Specify the transient trigger source	
		Control	Initiates, Triggers, or Aborts triggers; displays trigger state	
	Protect	OVP		Configures over-voltage protection function
OCP			Configures over-current protection function	
Inhibit			Configures the external inhibit signal	
Coupling			Disables ALL output channels for a protection fault	
Wdog			Configures the output watchdog timer	
Osc			Enables/disables oscillation protection on N678xA SMU	
Clear			Clears output protection and displays output state	
States	Reset		Resets the instrument to its reset (*RST) state	
	SaveRecall		Saves or recalls an instrument state	
	PowerOn		Selects the power-on instrument state	

1st Menu Level	2 nd & 3 rd Levels	4 th & 5 th Levels	Description		
System	IO	LAN	Settings	Displays the LAN settings that are presently active	
			Modify	IP	Configures the IP addressing of the instrument
				Name	Configures the hostname of the instrument
				DNS	Configures the DNS server
				WINS	Configures the WINS server
				mDNS	Configures the mDNS service name
				Services	Selects the LAN services to enable or disable
				Apply	Applies the configuration changes and restarts
				Cancel	Cancels the configuration changes
				Reset	Performs an LXI LCI reset of LAN settings and restarts
				Defaults	Resets the network to the as-shipped defaults and restarts
				USB	Displays the USB identification string
				GPIB	Selects the GPIB address
				DigPort	Pins
		Data	Sends/reads data from the digital I/O port		
		Groups		Defines output channels that are grouped (paralleled)	
		Preferences	Display		Configures the display functions
				Contrast	Configures the display contrast from 0 to 100%
				Saver	Configures the screen saver and wake-on I/O timer
			View	Selects 1-channel or 4-channel view at turn-on	
			Keys	Enables/disables key clicks and configures the On/Off key	
			Lock	Locks front panel keys using a password	
			IDN	Identifies the instrument manufacturer	
		Admin	Cal	Login/Logout	Enter a password to access the admin functions
				Volt	Vprog
				Vlim	Calibrates voltage limit High and Low ranges
				Vmeas	Calibrates High, Low, & Aux voltage measurement ranges
			Curr	Iprog	Calibrates High and Low current ranges
				Ilim	Calibrates current limit
				Imeas	Calibrates High and Low current measurement ranges
			Misc	CMRR	Calibrates common mode rejection ratio
				Dprog	Calibrates the downprogrammer
				Ipeak	Calibrates I peak
			Resistance	Calibrates output resistance High and Low ranges	
		Count	Returns the calibration count		
		Date	Saves the calibration date for each channel		
		Save	Saves the calibration data		
	IO		Enables/disables the GPIB, USB, and LAN services		
	Sanitize		Performs NISPOM secure erase of all user data		
	Update		Password protect firmware updates		
	Password		Changes the password for the admin functions		
	About Frame		Displays model, output ratings, serial number, firmware		
	Module		Displays model, serial number, options, output ratings		