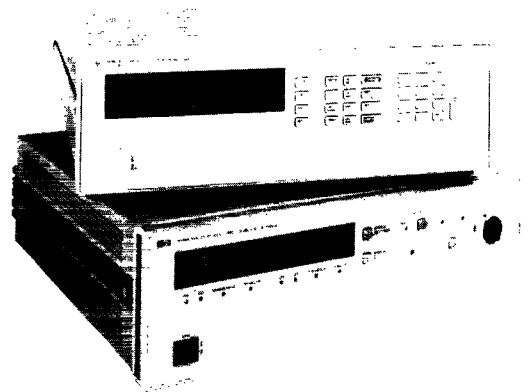


# POWER SUPPLIES

## System Power Supply Programming Features



HP-IB system power supplies are extremely easy to program. The following tables are a complete list of the available programming and readback commands. These commands only apply to the models as listed.\*

Command	Header	Description	HP 6030A to HP 6038A	HP 6621A to HP 6624A	HP 6632A to HP 6634A
Set voltage	VSET	Programs output voltage setting	X	X	X
Set current	ISET	Sets output current limit	X	X	X
Set overvoltage	OVSET	Sets overvoltage trip level		X	X
OC protection on/off	OCP	Enable or disable over current protection	2	X	X
Output on/off	OUT	Enable or disable output	X	X	X
Unmask	UNMASK	Defines conditions which generate a fault which is latched into the fault register	X	X	X
Reprogram delay (in seconds)	DLY	Delays the onset of certain fault conditions and prevents the power supply from registering a fault when these conditions are true	X	X	X
Reset overvoltage	OVRST	Resets OVP once it's been triggered	1	X	1
Reset overcurrent	OCRST	Resets OCP once it's been triggered	1	X	1
Service request	SRQ	Enable or disable service request capability	X	X	X
Power-on SRQ on/off	PON	Enable or disable service request capability at power-on		X	X
Display on/off	DSP	Turns on/off the front panel display		X	X
Display character	DSP	Displays messages of up to 12 characters on the front panel display		X	
Store settings	STO	Stores voltage and current settings	X	X	
Recall settings	RCL	Recalls stored settings	X	X	
Clear supply	CLR	Clears all settings and returns power supply to initial power-on values	X	X	X
Trigger	TRG	Implements values stored using hold command	X		
Hold	HOLD	Stores values which are implemented by the trigger command	X		
Voltage maximum	VMAX	Sets maximum voltage value power supply will accept	X		
Current maximum	IMAX	Sets maximum current value power supply will accept	X		
Foldback	FOLD	Enable or disable foldback	X	2	2
Reset	RST	Resets OVP, OCP or foldback when triggered	X		X
Calibration mode	CMODE	Turns calibration mode on or off		X	X

\* The High Performance Autoranging Supply, HP Model 6002A, and the Precision Bipolar System Supplies, HP Models 6129C, 6130C and 6140C, are programmed by an ASCII or binary code. Only the voltage, current and range may be programmatically controlled.  
The reset command accomplishes this function.

Foldback (HP Models 6030A-6038A) is a protection feature similar to overcurrent protection (HP 6621A-6624A and HP 6632A-6634A).