		6030 Series Autorangers	6620 Series Multiple Output	6620 Series Precision Multiple Output	6630 Series Single Output	6640 Series Single Output	6650 Series Single Output	6670 Series Single Output	6680 Series Single Output	66000 Modular Power System
DC range (for each series)	**Max power** **Max voltage** **Max current**	200 & 1000 W 500 V 120 A	80 W 50 V 10 A	50 W 50 V 2 A	100 W 100 V 5 A	200 W 120 V 20 A	500 W 120 V 50 A	2000 W 120 V 220 A	5000 W 40 V 875 A	150W 200 V 16 A
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HP-IB Programming Features										
HP-IB programming of voltage and current Self-documenting programming commands mean that programming is done in units of volts and amps, not in percentages or binary representations.		●	●	●	●	●	●	●	●	●
Measured voltage and current read-back over the HP-IB The output is read back in units of volts and amps.		●	●	●	●	●	●	●	●	●
Store-recall states Complete operating states can be stored in nonvolatile memory. Each state specifies not only the output voltage and current, but also many of the programmable protection features.										
	Number nonvolatile states (One of these states is automatically accessed on turn-on.)	0	0	4	0	5	5	5	4	5
	Number volatile states	5	10	7	0	0	0	0	0	5
Standard Commands for Programmable Instruments (SCPI) SCPI is fast becoming the standard language for test and measurement equipment. Standard codes make software writing and maintenance more efficient. For example, using this standard, the output voltage of the power supply is measured with the same command (MEASURE:VOLTAGE?) by either a DMM or a power supply.		●				●	●	●	●	●
Protection Features										
HP-IB programmable overvoltage protection Can be enabled to quickly down-program the output and set SRQ and/or DFI/RI. T=Can generate trigger M= Overvoltage, the level is set manually with a front-panel control		M	●	●	●	●	●	●	●	T
HP-IB programmable overcurrent protection Can be enabled to quickly down-program the output and set SRQ and/or DFI/RI. T=Can generate trigger		●	●	●	●	●	●	●	●	T
Overtemperature protection Will down-program the output and can be enabled to set SRQ and/or DFI. T=Can generate trigger		●	●	●	●	●	●	●	●	T
Discrete fault indicator/remote inhibit (DFI/RI) Using these digital ports, power supplies can be connected independently of the HP-IB. If any one experiences an error condition (overvoltage, for example), it can signal the other units to also down-program their outputs. O=Optional		●	O	O	O	●	●	●	●	●
SRQ Almost any fault condition or change of state of the power supply can be enabled to generate an SRQ. This signals the computer to take the appropriate action.		●	●	●	●	●	●	●	●	●
Local lockout Front-panel or keyboard control can be disabled. This keeps unauthorized operators from changing the programmed states.		●	●	●	●	●	●	●	●	●
Fan-speed control Controls the fan speed to provide only the required cooling, reducing unnecessary acoustic noise. O=Optional		O				●	●	●	●	
Active down-programming Active circuits quickly drain the energy from the output when unit is programmed to a lower voltage. This means that a unit under test can be safely removed from its test fixture without danger of arcing. F=Full-rated output current P=Less than 100% rated output current		P	F	F	F	P	P	P	P	P
Maintenance Features										
Electronic calibration in the rack Calibration requires no internal adjustments.			●	●	●	●	●	●	●	●
Calibration security Units can be protected from accidental access to calibration routines by either a password (P) or an internal jumper (J).			J	J	J	P, J	P, J	P	P	P, J
Self-test Extensive self-test is triggered automatically on power-up. Additional tests can be initiated by user programming or front-panel control.		●	●	●	●	●	●	●	●	●