



Site Evaluation

Higher power units (HP Models 6464C-6483C) most likely will require installation of a dedicated electrical branch service. It is suggested that a site evaluation be conducted by a qualified electrician or engineer prior to ordering. At that time, the electrician can help determine the correct line voltage option to order.

Size

Models 6434B 6448B: 133 mm H × 483 mm W × 432 mm D (5.25 in × 19 in × 17 in)
Models 6453A, 6456B, 6459A: 356 mm H × 483 mm W × 500 mm D (14 in × 19 in × 19.7 in)
Models 6464C, 6466C, 6469C, 6472C, 6475C, 6477C, 6479C, 6483C: 705 mm H × 483 mm W × 715 mm D (27.75 in × 19 in × 28.12 in)

Option Descriptions

HP 6434B-448B

Standard: 115 Vac, ± 10%, single phase, 57 to 63 Hz \$0
Opt 005: Realignment for 50-Hz operation \$0
Opt 010: Chassis slides + \$168
Opt 027: 208 Vac, ± 10%, single phase, 57 to 63 Hz \$0
Opt 028: 230 Vac, ± 10%, single phase, 57 to 63 Hz \$0
Opt 910: One extra operating and service manual shipped with each power supply + \$10

Price

HP 6453A, 6456B, 6459A

An ac input option must be specified when ordering. Three-phase voltages are phase-to-phase. AC input connections are by means of a 4-conductor connector at rear of unit. Low voltage (208 V, 230 V) models are furnished with an Arrow Hart and Hageman plug (HP 1251-6896). High voltage (380 V, 400 V, 460 V) models are furnished with an Arrow Hart and Hageman plug (HP 1251-6897).

Opt 001 208 Vac, ±10%, 3-phase, 15.5 A/phase, 57 to 63 Hz \$0
Opt 002 230 Vac, ± 10%, 3-phase, 14 A/phase, 57 to 63 Hz \$0
Opt 003 460 Vac, ± 10%, 3-phase, 7 A/phase, 57 to 63 Hz + \$105
005: Realignment for 50-Hz operation \$0
Opt 006 Overvoltage protection crowbar for HP 6453A, 6459A + \$520
 HP 6456B + \$685
Opt 010 Chassis slides + \$270
Opt 031 380 Vac, ± 10%, 3-phase, 8.5 A/phase, 57 to 63 Hz + \$158
Opt 032 400 Vac, ± 10%, 3-phase- 8.0 A/phase, 57 to 63 Hz + \$158
Opt 910 One extra operating and service manual shipped with each power supply + \$10

HP 6464C-6483C

An ac input option must be specified when ordering. Three phase voltages are phase-to-phase. ac input connections are by means of an enclosed 4-wire terminal block.

Opt 001 208 Vac, ± 10%, 3-phase, 55 A/phase, 57 to 63 Hz \$0
Opt 002 230 Vac, ± 10%, 3-phase, 50 A/phase, 57 to 63 Hz \$0
Opt 003 460 Vac, ± 10%, 3-phase, 25 A/phase, 57 to 63 Hz + \$270
Opt 005 Realignment for 50 Hz operation \$0
Opt 006 Internal overvoltage protection crowbar for HP 6477C, 6479C, 6483C + \$420
 HP 6466C + \$605
 HP 6469C + \$540
 HP 6472C, 6475C + \$490
Opt 023 Rack mounting attachments for standard 19-in rack + \$137
Opt 031 380 Vac, ± 10%, 3-phase, 30 A/phase, 57 to 63 Hz + \$270
Opt 032 400 Vac, ± 10%, 3-phase, 28.5 A/phase, 57 to 63 Hz + \$270
Opt 040 Prepares power supply to be programmed with resistance by an HP 6942A, 6944A, or 6954A + \$105
Opt 910 One extra operating and service manual shipped with each power supply + \$15

Accessory

HP 14545B: Casters for HP 6464C-6483C—set of four \$103

Specifications (continued)

REMOTE CONTROL										GENERAL				
Resolution		Load Transient Recovery Δ	Resistance Coefficient		Voltage Coefficient†		Up		Down		Net Weight		Options	Price
V	C		Voltage	Current	Voltage	Current	NL	FL	NL	FL	Kg	lb		
8 mV	1 A	100 ms, 500 mV	200 Ω/V ± 2%	1 Ω/A ± 2%	1 V/V ± 1%	6.2 mV/A ± 7%	1.6 s	0.6 s	6 s	0.1 s	235	518	1, 2, 3, 5, 23, 31, 32, 40	\$16,500
65 mV	1 A	50 ms, 150 mV	200 Ω/V ± 2%	1 Ω/A	0.4 V/V	30 mV/A	1 s	0.5 s	20 s	0.2 s	108	238	1, 2, 3, 5, 6, 10, 31, 32	\$7,600
18 mV	0.5 A	100 ms, 500 mV	200 Ω/V ± 2%	1.66 Ω/A ± 2%	1 V/V ± 1%	10.3 mV/A ± 7%	1.6 s	0.6 s	15 s	0.2 s	226	500	1, 2, 3, 5, 6, 23, 31, 32, 40	\$15,500
90 mV	0.5 A	50 ms, 300 mV	200 Ω/V ± 2%	2 Ω/A	166 mV/V	60 mV/A	1 s	0.5 s	60 s	0.5 s	108	238	1, 2, 3, 5, 6, 10, 31, 32	\$7,600
36 mV	0.3 A	100 ms, 500 mV	200 Ω/V ± 2%	3.33 Ω/A ± 2%	1 V/V	20.6 mV/A ± 7%	1.6 s	3 s	20 s	0.5 s	226	500	1, 2, 3, 5, 6, 23, 31, 32, 40	\$15,000
10 mV	12.5 mA	200 ms, 200 mV	200 Ω/V ± 2%	12 Ω/A	1 V/V	**	0.3 s	1.2 s	75 s	1.2 s	30.4	67	5, 10, 27, 28	\$2,900
100 mV	0.25 A	50 ms, 600 mV	300 Ω/V ± 2%	4 Ω/A	94 mV/V	120 mV/A	1 s	0.5 s	45 s	0.7 s	108	238	1, 2, 3, 5, 6, 10, 31, 32	\$7,600
64 mV	0.15 mA	100 ms, 750 mV	300 Ω/V ± 2%	6.7 Ω/A ± 2%	1 V/V ± 3%	41.2 mV/A ± 7%	1.4 s	2.5 s	55 s	0.7 s	226	500	1, 2, 3, 5, 6, 23, 31, 32, 40	\$15,000
22 mV	0.1 A	100 ms, 1 V	300 Ω/V ± 2%	10 Ω/A ± 2%	1 V/V ± 3%	62 mV/A ± 7%	1.5 s	2 s	80 s	0.7 s	226	500	1, 2, 3, 5, 6, 23, 31, 32	\$15,000
44 mV	50 mA	100 ms, 2 V	300 Ω/V ± 2%	20 Ω/V ± 2%	1 V/V ± 3%	124 mV/A ± 7%	1.5 s	2 s	95 s	1 s	226	500	1, 2, 3, 5, 6, 23, 31, 32	\$15,000
60 mV	35 mA	100 ms, 3 V	300 Ω/V ± 2%	28.6 Ω/A ± 2%	1 V/V ± 3%	177 mV/A ± 7%	1.5 s	2 s	75 s	1.6 s	226	500	1, 2, 3, 5, 6, 23, 31, 32	\$15,000
60 mV	25 mA	100 ms, 5 V	300 Ω/V ± 2%	40 Ω/A ± 2%	1 V/V ± 3%	0.25 V/A ± 7%	1.5 s	2 s	120 s	2 s	226	500	1, 2, 3, 5, 6, 23, 31, 32	\$15,500
60 mV	0.75 mA	200 ms, 3 V	300 Ω/V ± 2%	600 Ω/A	1 V/V	**	0.2 s	1 s	45 s	2 s	27.6	61	5, 10, 27, 28	\$2,900

Δ For operation with a 50-Hz input (possible only with Option 005), the rms ripple and transient response specifications are increased by 50%.

**This feature is not available.

* An ac input option must be specified when ordering these 3-phase models.

† Special Option J30 must be ordered with Models 6434B-6448B and 6466C-6483C to be programmed with an HP 59501B Power Supply Programmer. Contact your local HP Field Engineer for ordering instructions.