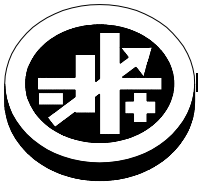


INSTRUCTION SHEET



KEPCO An ISO 9001 Company.

**CABLE
KIT**
219*0444, 219-0664

CABLE KIT NO. 219*0444, 219-0664 BOP 10-100MGL MODELS (3) IN SERIES

I. DESCRIPTION.

This kit contains the cables and terminations required to operate three BOP 10-100MGL models in series, effectively multiplying the output voltage capacity by three. Only identical models may be configured to operate in series.

II. SPECIFICATIONS

Table 2 lists the model parameters unique to a series combination of three BOP 10-100MGL Power Supplies. Table 3 lists the general specifications for the series combination of three BOP 10-100MGL Power Supplies. For specifications not listed in Table 2, refer to the General Specifications provided in the BOP-1KW (MGL, MEL) Operator Manual, which can be downloaded from the Kepco web site:

www.kepcopower.com/support/opmanls.htm#bop-1k-mgl

TABLE 1. EQUIPMENT SUPPLIED

Item	Quantity	Purpose	Kepeco P/N
Output Power cable	2	Connects the OUTPUT terminal of Master to the COMMON terminal of Slave #1 and the OUTPUT terminal of Slave #1 to the COMMON terminal of Slave #2.	118-1112
Digital Control (Bitbus) Cable	1	Provides communication between master and two slaves.	118-1148
Protection Cable	2	Provides interlock protection signals required for multiple unit operation.	118-1126
Series Control cable	1	Provides control signals required for series operation.	118-1522
Protection - OUT Termination (Slave)	1	Provides proper termination for the slave connection to the Protection Cable.	195-0108
Protection - IN Termination (Master)	1	Provides proper termination for the master connection to the Protection Cable.	195-0117
Chassis Ground Cable	2	Connects chassis ground terminals of all units.	118-1272
Ground Cable mounting hardware	3 sets	Each set consists of eight parts, mounted in the following order: No. 10 star lock-washer P/N 103-0106 (at chassis), No. 10 flat washer P/N 103-0031, No. 10 split lockwasher P/N 103-0033, 10-32X3/8 nut P/N 102-0008, No. 10 flat washer P/N 103-0031, [lug(s) from ground cable], No. 10 flat washer P/N 103-0031, No. 10 split lock-washer P/N 103-0033, and 10-32X3/8 nut P/N 102-0008.	(See Purpose at left for part numbers)
Output Sense Cable	2	Connects Output sense terminal to Common sense terminal of next unit.	118-1271
Instruction Manual	1	Lists material supplied and specifications for multiple unit combination.	228-1977

TABLE 2. MODEL PARAMETERS FOR THREE (3) IDENTICAL BOP 10-100MGL UNITS (SERIES)

(3) Identical Models (Series)	d-c Output Range		Closed Loop Gain	
	$E_{O \text{ Max}}$	$I_{O \text{ Max}}$	Voltage Channel (V/V)	Current Channel (A/V)
BOP 10-100MGL	±30V d-c	±100A d-c	3.0	10

TABLE 3. GENERAL SPECIFICATIONS FOR THREE (3) IDENTICAL BOP 1000 WATT UNITS (SERIES)

SPECIFICATION	RATING/DESCRIPTION	CONDITION
INPUT CHARACTERISTICS		
Current	176 Va-c	28.5A a-c maximum
	264 Va-c	19.2A a-c maximum
Leakage current	10.5mA a-c	230V a-c, 47-63 Hz
OUTPUT CHARACTERISTICS		
Programming resolution / accuracy	Voltage	14 bits / 0.2%
	Current	14 bits / 0.5%
	Voltage Limit	12 bits / 0.5%
	Current Limit	12 bits / 0.5%
2% accuracy for Ext Ref Level. Unit gain adjustable between 0 and $E_{ONOM}/10$ (voltage) or $I_{ONOM}/10$ (current).		
Readback resolution / accuracy	Voltage	16 bits / 0.2% main or limit channel
	Current	16 bits / 0.5% main or limit channel