INSTRUCTION SHEET

KEPCO An ISO 9001 Company.

CABLE KIT
219-0527

CABLE KIT NO. 219-0527
BOP 26600 MODELS (2) IN SERIES

I. DESCRIPTION.

This kit contains the cables and terminations required to operate two identical 750 Watt Model 26600 BOP power supplies in series, effectively doubling the output voltage capacity.

Refer to the associated technical manual supplied with the BOP Model 26600 power supply for all instructions regarding installation and operation of multiple units in series.

. **CAUTION: Failure to install the ground cable supplied can result in damage to the power supply.**

II. SPECIFICATIONS

Table 2 lists the general specifications for the series combination of two identical 750 Watt Model 26600 BOP Power Supplies. For specifications not listed in Table 2, refer to the General Specifications provided in the associated technical manual supplied with the Model 26600 BOP power supply

TABLE 1. EQUIPMENT SUPPLIED

Item	Quantity	Purpose	Kepco Part Number
Output Power cable	1	Connects the OUTPUT terminal of Master to the COMMON terminal of Slave.	118-1112
Protection Cable	1	Provides interlock protection signals required for multiple unit operation.	118-1126
Series Control cable	1	Provides control signals required for series operation.	118-1120
Series Sense cable	1	Connect OUT-S terminal of master to COM-S terminal of slave.	118-1271
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
Instruction Manual	1	Lists material supplied and specifications for multiple unit combination.	228-1633
Chassis Ground Cable	1	Connects chassis ground terminals of all units.	118-1272
Ground Cable mounting hardware	2 sets	Each set consists of eight parts, mounted in the following order: No. 10 star lockwasher 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 lockwasher P/N 103-0033, and 10-32X3/8 nut P/N 102-0008.	(See Purpose at left for part numbers)

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TABLE 2. GENERAL SPECIFICATIONS FOR TWO (2) BOP 26600 UNITS (SERIES)

SPECIFICATION		RATING/DESCRIPTION	CONDITION
INPUT CHARACTERISTICS			
Current	176 Va-c	15A a-c	Maximum
	264 Va-c	10A a-c	Maximum
Leakage current		7mA a-c	230V a-c, 47-63 Hz
OUTPUT CHARACTERISTICS			
d-c Output Range	$E_{O\ Max}$	±12V d-c	
	$I_{O\ Max}$	±125A d-c	
Closed Loop Gain	Voltage Channel	1.2	
	Current Channel	12.5	
Source/sink adjustment range	Voltage	–12V to +12V	
	Current	–125A to +125A	
Programming resolution / accuracy	Voltage	±18mV	
	Current	±125mA	
	Voltage Limit	±18mV linearity	±360mV Full Scale tolerance
	Current Limit	±125mA linearity	±2.5A Full Scale tolerance
Readback resolution / accuracy	Voltage	Same as individual unit	Independent readings for each unit
	Current	Same as individual unit	Independent readings for each unit
Voltage stabilization in voltage mode			
	Source effect	±6mV	Min - max input voltage
	Load effect	±12mV	0 to 100% load current
	Time effect (drift)	±6mV	0.5 through 24 hours
	Temperature effect	±6mV / °C	0° to 50°C
	Ripple and noise	±240mV p-p	Includes switching noise.
Current stabilization in current mode		Same as individual unit	
Rise/Fall Time (1)	Voltage	5mS/5mS	Nominal resistive load, measured from 10% to 90%, 0 to ±100% of rating
	Current	5.5mS/5.5mS	Short circuit, measured from 10% to 90%, 0 to ±100% of rating
Frequency bandwidth (1)	Voltage	70Hz	Nominal resistive load, $E_{OPK} = E_{ONOM}$, $I_{OPK} = I_{ONOM}$ @ 60Hz
	Current	63Hz	Short circuit, $I_{OPK} = I_{ONOM}$ @ 60Hz

(1) The inner voltage and current loop has Rise/ Fall Time of 300us/ 300us (voltage), respectively, and Rise/ Fall Time of 500us/ 500us (current), respectively, with a Frequency bandwidth of 2kHz (voltage), 800Hz (current). The increased rise/ fall time and the reduced bandwidth for both voltage and current operation are the result of the requested reduced programming buffer bandwidth.