INSTRUCTION SHEET

KEPCO An ISO 9001 Company.

CABLE KIT
219-0528

CABLE KIT NO. 219-0528
BOP 26600 MODELS (2) IN PARALLEL

I. DESCRIPTION

This kit contains the cables and terminations required to operate two identical 750 Watt Model 26600 BOP power supplies in parallel, effectively multiplying the output current capacity by two.

Refer to the associated technical manual supplied with the 750 Watt Model 26600 BOP power supply for all instructions regarding installation and operation of multiple units in parallel.

II. SPECIFICATIONS

Table 2 lists the general specifications for the parallel 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 and Common Power cable (1.5 ft.)	2	Connects the OUTPUT and COMMON terminal of the Master to the OUTPUT and COMMON terminals of the Slave.	118-1112
Parallel Control Cable (1.5 ft.)	1	Provides control signals required for parallel operation.	118-1202
Protection Cable (1 ft.)	1	Provides interlock protection signals required for multiple unit operation.	118-1126
Master - IN Parallel Control Termination	1	Provides proper termination for Parallel Control Cable.	195-0109
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.	195-0107
Instruction Manual	1	Lists material supplied.	228-1634
Nut	2	Overcomes tight space for output cable connections. After securing bottom cable to output terminal stud using one nut, additional cables can be oriented for best layout and secured with separate nut.	102-0046

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TABLE 2. GENERAL SPECIFICATIONS FOR TWO (2) IDENTICAL BOP 1000 WATT UNITS (PARALLEL)

SPECIFICATION		RATING/DESCRIPTION	CONDITION
INPUT CHARACTERISTICS			
Current	176 Va-c	15.0A 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	$E_{O\ Max}$	±6V d-c	
	$I_{O\ Max}$	±250A d-c	
Closed Loop Gain	Voltage Channel	0.6	
	Current Channel	25.0	
Source/sink adjustment range	Voltage	–6V to +6V	
	Current	–250A to +250A	
Programming resolution / accuracy	Voltage	±6mV	
	Current	±375mA	
	Voltage Limit	±6mV linearity	±120mV Full Scale tolerance
	Current Limit	±375mA linearity	±2.75A 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
Current stabiliaztion in current mode			
	Source effect	±125mA	Min - max input voltage
	Load effect	±500mA	0 to 100% load current
	Time effect (drift)	±125mA	0.5 through 24 hours
	Temperature effect	±125mA / °C	0° to 50°C
	Ripple and noise	±5Ap-p	Includes switching noise.
Voltage stabiliaztion in voltage mode		Same as individual unit	
Rise/Fall Time	Voltage	250µS/250µS	Nominal resistive load, measured from 10 to 90%, 0 to ±100% of rating
	Current	1.5mS/1.5mS	Short circuit, measured from 10% to 90%, 0 to ±100% of rating
Frequency bandwidth	Voltage	2KHz	Nominal resistive load, $E_{OPK} = E_{ONOM}$, $I_{OPK} = I_{ONOM}$ @ 60Hz
	Current	400Hz	Short circuit, $I_{OPK} = I_{ONOM}$ @ 60Hz