



POWER SUPPLY Model: BC-3K

MADE
IN THE
U.S.A.

INPUT:

180-250 VAC, THREE PHASE, LINE TO LINE 47 TO 440 HZ

CONDUCTED EMI:

DESIGNED TO MEET FCC PART 15 SUB B LEVEL A,
EN55022 LEVEL B FVG243, NIL-STD-461 CE102 AND CE03

EFFICIENCY:

90% TYP.

OUTPUTS: (SEE TABLE 1)

TOTAL OUTPUT POWER LIMITED TO 5600 WATTS
OUTPUTS CAN BE PARALLELED FOR N+1 REDUNDANCY

OUTPUT VOLTAGE ADJUSTABLE:

OUTPUT ADJUSTABLE ± 10%

OVERVOLTAGE:

LIMITED TO 130% OF OUTPUT VOLTAGE, ON OUTPUT

OVERLOAD PROTECTION:

OUTPUT CURRENT LIMITED AND SHORT CIRCUIT
PROTECTED

REMOTE ON/OFF:

GROUNDING THIS INPUT TURNS SYSTEM ON
LEAVING OIN OPEN TURNS UNIT OFF

REMOTE SENSE:

WILL COMPENSATE FOR 0.5 V DROP ON OUTPUT

TEMPERATURE RANGE:

-40°C TO +50°C

POWER FACTOR:

EXCEEDS 0.92

SAFETY AGENCIES:

DESIGNED TO MEET UL1950, CSA22,2,
ENG0950, VDE806

WEIGHT:

AIR COOLED VERSION < 16 LBS.

SIZE:

17.75" x 4.12" x 4.85"



4.5 KW AIRBORNE POWER SUPPLY LESS THAN 16 LBS

QUALITY STD:

ISO:9001, MIL-I-45208, MIL-Q-9858A

MINIMUM LOAD:

NONE REQUIRED

LINE REGULATIONS:

1% FOR ALL OUTPUTS

LOAD REGULATIONS:

1% FOR ALL OUTPUTS

RIPPLE AND NOISE:

1% FOR ALL OUTPUTS

TRANSIENT RESPONSE:

RECOVERY TO 1% OF NOM. WITHIN 200 µSEC
FOR 50% STEP LOAD

FAULT:

TTL LOGIC 0 WHEN 5 V OUTPUT IS ABOVE 4.75 VDC
30 MS DELAY AT TURN ON FOR POWER ON RESET
IMPLEMENTATIONS

THERMAL PROTECTION:

TDOWN WITH AUTO RECOVERY

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TABLE 1
POWER SUPPLY CONFIGURATIONS

| MODEL NUMBER | OUTPUT, I Max, | POWER OUT |
|--------------|-----------------|-----------------|
| BCPS-3K-1A | 21-24 VDC 180 A | 4300 WATTS Max. |
| BCPS-3K-1F | 24-30 VDC 150 A | 4500 WATTS Max. |
| BCPS-3K-1C | 30-36 VDC 125 A | 4500 WATTS Max. |
| BCPS-3K-1D | 36-48 VDC 100A | 4500 WATTS Max. |

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"ALL OF YOUR POWER REQUIREMENTS FROM DC TO RF"



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