

ONLY REMOTE CONTROL D.C. LINEAR POWER SUPPLIES

This serie has been designed to be programmed by an interface connects to PC or PLC. This high performance serie satisfies constant voltage and constant current generator requests and it has been realized with professional components and tested with severe procedures.

FEATURES

- Mains connection 230 Vac +/- 10%, 50-60 Hz (400Vca for mod. CVR3000 and CVR4000, others on request).
- Reduced thermal dissipation in: CV and CVD serie with electronic switch on transformer, CVR serie with electronic preregulation.
- Operating as Constant Voltage or Constant Current generator with automatic change.
- Remote sense for compensation of the power cable voltage fall (max. 1V), only in ≤ 100 Volt models.
- Enable / Disable output power supply with remote contact on rear panel connector.
- 2 strings back-light LCD (20 digits 6x9,66mm size) that shows:
 - ✓ Device identification and technicals infos, etc.
 - ✓ Voltage-Current setpoint , actual values, Watt power value and internal temperature.
 - ✓ Status device: "Disable", "Enable CV", "Enable CC", "Unregul", "Over Temperature", "Over Volt", "Over Current", etc.
 - ✓ Enabled special functions symbols.

TECHNICAL SPECIFICATIONS

LINE REGULATION:	~ 0,001% for ±10% line change
LOAD REGULATION:	~ 0,01% for 100% load change
RIPPLE CV MODE:	~ 0,001% Vrms of range value (+ 0,2 mV for mod. CVR)
RIPPLE CC MODE:	~ 0,005% Arms of range value (+ 0,5 mA for mod. CVR)
VOLTAGE-CURRENT RESOLUTION:	16 bit with RS232+USB
TRANSIENTS RESPONSE TIME:	~ 50 uS within 1% Vout, for 20-80%load change
SLEW RATE:	~ 2-8 mS
THERMAL STABILITY CV MODE:	± 50 ppm for 8h after 30' warm-up
THERMAL STABILITY CC MODE:	± 100 ppm for 8h after 30' warm-up
TEMPERATURE COEFFICIENT:	0,01% / °C
OPERATING TEMPER. RANGE:	0 - 40 °C
LINE PROTECTION:	With fuse and input filter
OVERLOAD PROTECTION:	Programmed current limitation
THERMAL PROTECTION:	Electronic thermostat
COOLING:	Forced thermoregulated fan cooling
OUTPUT:	Floating and insulated 500 Vdc



Different voltage and current models on request.

Power supply identifier is composed with serie's name, identifier's interface if you need ("A" for analog interface or "RU" for RS232+USB interface) and Volt-Ampere.
 Ex.: BV340A 30V10A is 30V 10A power supply with analog interface.

Standard models

SERIE	VOLT - AMPERE										(L x H x P) mm	Kg
Single output models - 19" 3U rack mounting optional kit												
CV140	6V 10A	15V 6A	20V 4.5A	30V 3A	40V 2.3A	60V 1.5A	100V 0.9A	150V 0.6A	200V 0.5A	300V 0.3A	266x132x250	9
CV170	6V 20A	15V 12A	20V 9A	30V 6A	40V 4.5A	60V 3A	100V 1.8A	150V 1.2A	200V 1A	300V 0.6A	266x132x360	11
CV340	6V 30A	15V 20A	20V 15A	30V 10A	40V 7.5A	60V 5A	100V 3A	150V 2A	200V 1.5A	300V 1A	411x132x360	15
CV440	6V 40A	15V 30A	20V 22A	30V 15A	40V 11A	60V 7.5A	100V 4.5A	150V 3A	200V 2A	300V 1.5A	411x132x360	18
Two independent outputs models - 19" 3U rack mounting optional kit												
CVD350	2x6V15A	2x15V10A	2x20V 7.5A	2x30V 5A	2x40V 4A	2x60V 2.5A	2x100V 1.5A	2x150V 1A	2x200V 0.8A	2x300V 0.5A	411x132x360	16
CVD450	2x6V20A	2x15V15A	2x20V 11A	2x30V 7.5A	2x40V 5.5A	2x60V 3.5A	2x100V 2A	2x150V 1.5A	2x200V 1A	2x300V 0.8A	411x132x360	18
Single output models - 19" rack												
CVR700	6V 50A	15V 35A	20V 30A	30V 20A	40V 15A	60V 10A	100V 6A	150V 4A	200V 3A	300V 2A	3Ux516 prof.	30
CVR1200	6V 60A	15V 50A	20V 45A	30V 30A	40V 22A	60V 15A	100V 9A	150V 6A	200V 4.5A	300V 3A	3Ux516 prof.	32
CVR1500	6V 75A	15V 70A	20V 60A	30V 40A	40V 30A	60V 20A	100V 12A	150V 8A	200V 6A	300V 4A	4Ux516 prof.	38
CVR1800	-	15V 85A	20V 70A	30V 50A	40V 37A	60V 25A	100V 15A	150V 10A	200V 7.5A	300V 5A	4Ux516 prof.	42
CVR2000	6V 100A	15V 100A	20V 80A	30V 55A	40V 42A	60V 30A	100V 18A	150V 12A	200V 9A	300V 6A	4Ux516 prof.	48
CVR3000	6V 150A	15V 130A	20V 120A	30V 80A	40V 60A	60V 40A	100V 24A	150V 16A	200V 12A	300V 8A	6Ux516 prof.	56
CVR4000	6V 180A	15V 150A	20V 140A	30V 100A	40V 75A	60V 50A	100V 30A	150V 20A	200V 16A	300V 10A	8Ux516 prof.	64
Two independent outputs models - 19" rack												
CVD720	2x6V30A	2x15V20A	2x20V 15A	2x30V 10A	2x40V 7.5A	2x60V 5A	2x100V 3A	2x150V 2A	2x200V 1.5A	2x300V 1A	3Ux516 prof.	24

OPTIONS AND ACCESSORY

CODICE DESCRIPTION

ALARMS

- OV-Relè** 3V-Vmax programmable overvoltage alarm, with relè and led.
OC-Relè Programmable overcurrent alarm by PRESET, with relè and led.

CROWBAR OVERVOLTAGE

Regulable 5V-Vmax with led signallig.

- OV-12A** For maximum 12 Ampere power supplies.
OV-22A For maximum 22 Ampere power supplies.
OV-45A For maximum 45 Ampere power supplies.
OV-65A For maximum 65 Ampere power supplies.
OV-100A For maximum 100 Ampere power supplies.

DIFFERENT MAINS

- Line115** From 230 Vac to 115 Vac.
Line400 From 230 Vac to 400 Vac.

RACK KIT

- KIT3U** 19" 3U rack mounting Kit, with handles and rear outputs.

ANALOG REMOTE CONTROL

- I/F-14** Insulated analog interface:
- 0-10V voltage and current programming;
- 0-10V voltage and current monitor signal;
- Constant Voltage, Constant Current open collector signals.

DIGITAL REMOTE CONTROL

- I/F-RS232+USB** Insulated interface system features:
- Voltage and Current set up;
- Identifier, Voltage, Current and Status monitor reading.
- 16 bit +/- 3LSB resolution;
- 9,6 – 19,2 – 38,4 – 115,2 Kbps (USB only 115,2 Kbps) settable baud rate;
- 5 bytes ASCII, included CRC, protocol commands;

RS232+USB software includes:

- Features and communication protocol user guide;
- Control Panel application;
- ActiveX application, using with Microsoft © and National Instruments (LabView ©).

Free demo on request.