



AA1000

- AA-Series RF and Power Unit
- CE, RoHS & WEEE compliant

Features

The Model AA1000 is a rack mount unit supplying DC power, communication and RF routing to either the AA18G26 or AA26G40 field generating systems. The unit is supplied with 2m and 4m power and RF cables, as well, as bulkhead feedthroughs for both cable types. Other lengths are available.



The AA1000 protects the AA-series field generation systems from RF damage through an RF switch that can only close when power is supplied to an AA-series field generator system that is operating under normal parametric conditions. The front panel indicates the operate status and fault conditions if a power supply fault has occurred. The unit can be re-

turned to operate when the condition has been cleared.

All unit control functions and status indications are available remotely through the Remote interfaces. The remote interfaces include GPIB/IEEE-488 format, RS-232 hardwire and fiber optic, USB, and Ethernet. The bus interface connector is located on the back panel and positive control of local or remote operation is assured by a Local/Remote switch on the front panel of the rackmount unit. Also included is a safety interlock circuit for use with external safety switch interlocks. This circuit prevents the amplifier from going into operate mode unless the external connection is made. A jumper plug is provided for cases where this functionality is not needed.

The export classification for this equipment is EAR99.

Specifications

PRIMARY POWER (Universal; selected automatically): 100-240 VAC, 50/60Hz

CONNECTORS (Rack Unit):

RF Input: 2.92 mm (K-type) female
 RF Output: 2.92 mm (K-type) female
 DC Output: Twinax

REMOTE INTERFACES:

IEEE-488: 24-pin female
 RS-232: 9-pin sub D (female)
 Fiber optic: ST Conn Tx and Rx RS-232
 USB 2.0: Type B
 Ethernet: RJ-45
 Safety Interlock: 15-pin subminiature D

COOLING: Forced air (self contained fans)

WEIGHT:

Rack Unit: 4.5kg (10lb)

SIZE (W x H x D):

Rack Unit: 48.3cm x 8.9cm x 53.3cm
 (19in x 3.5in x 21in)

ENVIRONMENTAL:

Operating Temperature: 5°C / +40°C
 Operating Altitude: up to 2000M
 Shock and vibration: Normal Truck Transport

REGULATORY COMPLIANCE:

EMC EN 61326-1
 Safety UL 61010-1
 CAN/CSA C22.2 #61010-1
 CENELEC EN 61010-1
 RoHS DIRECTIVE 2011/65/EU
 WEEE DIRECTIVE 2012/19/EU

EXPORT CLASSIFICATION: EAR99

AR RF/Microwave
 Instrumentation
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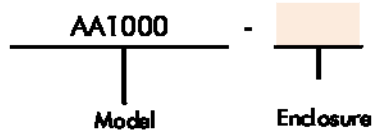
For an applications engineer call: 800.933.8181

www.arworld.us

ISO 9001 Certified



Ordering Options



| ENCLOSURE | |
|--------------|----|
| Enclosure | E |
| No Enclosure | NE |

Contact your AR RF/Microwave Instrumentation Sales Associate for specific model configuration pricing.