

**TABLE 1-1.**  
**RAT1000 Technical Specifications.**

Frequency Range:	2-30 MHz.
Tuning Capability:	
Whips -	See Section 1.5 regarding minimum length.
Long Wires -	23-46 m (75-150 ft).
Rated RF Input Power:	1000 W PEP and continuous (see Section 1.6).
Tuning Mode:	Fully automatic.
Tuning Accuracy:	Typically greater than or equal to 1.5:1 VSWR referenced to 50 ohms; maximum VSWR of 3:1.
RF Efficiency:	Typically 50 to 90% depending on antenna type and frequency.
Tuning Time:	Typically 3 seconds.
RF Tune Power:	10-W forward power throughout tuning cycle.
Primary Power Requirements (J7-J):	28 Vdc @ 4.0 A peak, during tuning cycle, 1.8 A when tuned.
Operating Environment:	Waterproof (sealed), designed for exposed installations.
Temperature Range:	-30° C to +55° C.
Weight:	22 kg.
Size (W x H x D):	34 cm x 29.7 cm x 49 cm.
RF Connections:	
Input	UG-21C type-N.
Output	High-voltage ceramic insulator.
Ground Connection:	Ground lug.