

N8XJK Super Booster Specifications

Connectors	Anderson Powerpole [®] , 45A
Size	8.0" x 2.3" x 2.2"
Weight	16 oz.
Mounting Holes	Four - 0.175 d, #8 hardware

Limits:

Minimum Input Voltage	9VDC
Maximum Input Voltage	15VDC
Minimum Output Voltage	9VDC
Maximum Output Voltage	15VDC
Maximum Current	40A Input (per unit)
RF Voltage Maximum	100Vp-p (200W)

Current Consumption:

Power Off	1.5mA
Standby	24.4mA
Enabled Booster	40mA
Low Battery/Overtemp	39mA

RF Enable:

RF Detect Threshold	3.3Vp-p typical. (0.22W)
RF "Turn On" Delay	2ms typical
RF "Turn Off" Delay Range	2-500ms typical

Low Battery Lockout:

Jumper Selectable	9V, 9.5V, 10V, 10.5V, 11V, 11.5V, 12V
Voltage Drop When Booster Off	0.76V at 20A load
Efficiency	Around 90%

Temperature:

Maximum Ambient Temperature (before shutdown): 32A Continuous Output	110°F
Maximum Case Temperature (before shutdown): Sides Bottom Center Internal	115°F 139°F 162°F

Output Ripple:

Load = 20A	(100W xmit) 4.2mV RMS, 12mVp-p
Load = 3A	(receive) 3.5mV RMS, 10mVp-p