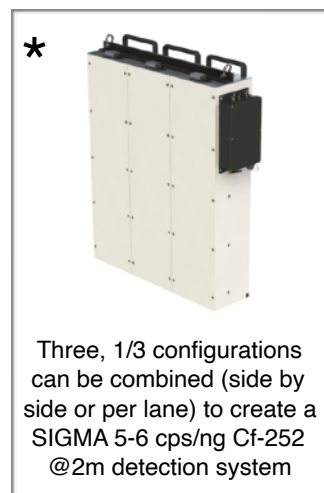
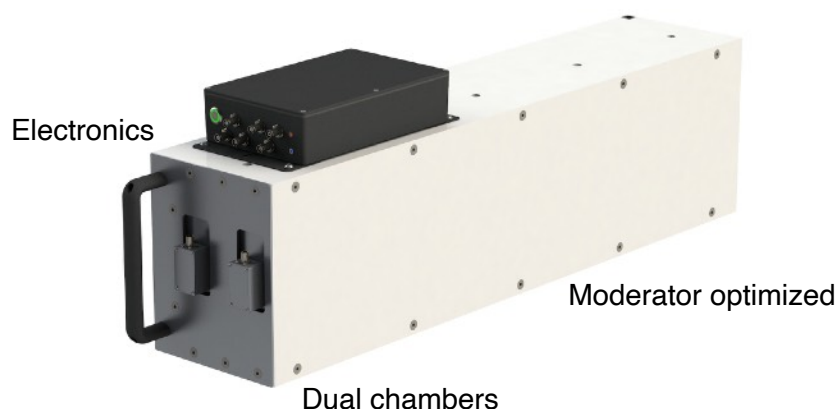


Readout-enabled neutron detector assemblies

ASM-6000 SERIES

Customer configured chamber, moderator, and readout electronics.



Specifications for ASM-6002	
Dimensions	26 x 99 x 23 cm [10.2 x 39 x 9 inches]
Weight	45 kg [100 lbs]
Active area surface area	19 x 87 cm [7.5 x 34 inches]
Gamma rejection	GARRn = 1.0; $\epsilon_{int} < 10^{-8}$ [1]
Neutron efficiency	with Standard chambers: +1.6 cps/ng Cf-252 @2m [1] with Plus chambers: +1.9 cps/ng Cf-252 @2m [1]
Temperature range	-40 to 60 deg C [2]
Humidity	up to 93% RH [2]
Ingress Protection	IP65 (IP67 option)
Power	12V DC in; 1 W power draw

[1] Testing campaigns with integration and test houses

[2] Forsyth, Alison M., Timothy W. Teal, and Andrew Inglis. "Siverside neutron detector performance." Technologies for Homeland Security (HST), 2017 IEEE International Symposium on. IEEE, 2017.

