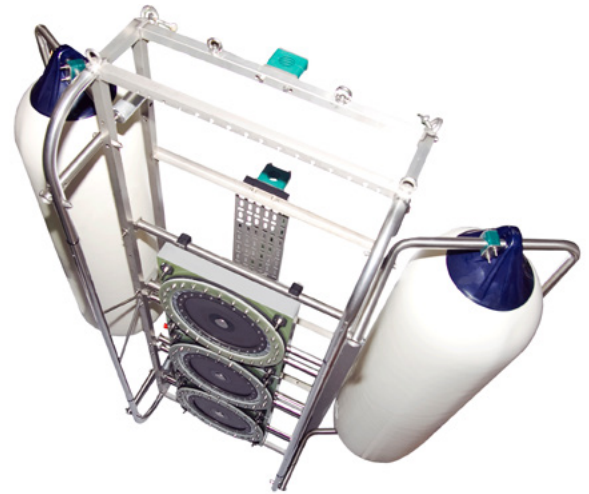


# S-Boom System



## Key features

- Deep penetration seismic surveys with ultra high resolution data quality, better than 0.25m
- Three AA252 boomer plates provide a single, focused beam pattern
- Deployed with fast-charging CSP-Nv for optimum results
- Maximum energy output of 1000J per pulse, firing at 3 pulses per second
- Can be used with single and multi-channel streamer hydrophone arrays
- Perfect UHR package for research, mapping and construction geological surveys.

## S-Boom System Overview

The S-Boom System is a high power, high resolution repeatable sound source that can be operated at fast repetition rates.

The transmitted energy is focused by the array geometry to improve the directivity and beam pattern, giving an improvement over traditional sound sources.

## Technical Specification

### S-BOOM SYSTEM COMPONENTS – CATAMARAN

Boomer plates x3	AA252
HV Cable	HVC3000
HV Junction box	HVJ3004

# Physical Specification

## CATAMARAN

Dimensions	1806mm (L) x 554mm (H) x 650mm (W) frame/1467mm (W) including floats
Weight	120.4kg (Catamaran + 3 AA252s in air)

## AA252 BOOMER PLATE (EACH)

Length	380mm
Width	380mm
Weight	20.7kg (air), 10kg (water)
Connector type	RMK 1/0 complete with locking collar

## HVC3000 CABLE

Breaking strain	2000kg
Standard length	75m

## ELECTRICAL INPUT

Recommended energy	700 – 1000J per shot
Maximum energy	1000J per shot
Average energy	3000J/second
Operating Voltage	3600 to 4000Vdc

Thermal interlock protection interfaced to energy source

## SOUND OUTPUT

Source level	Typically 222dB re 1µPa at 1 metre with 1000J
Pulse length	300 to 500µs depending on energy applied
Reverberation	<10% of initial pulse

## COMPATIBLE ENERGY SOURCE

S-Boom System

CSP-Nv1200, CSP-Nv2400, CSP-SNv1250

## COMPATIBLE HV CABLE

S-Boom System

HVC 3000

Standard 75m

RMK 1/0 connectors complete with locking collars

## TYPICAL PULSE SIGNATURE AT 1000J

