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## Application Note– Noise Level of Smart String ESS LUNA2000-200KWH-2H1

### Revision History


Version 1.0 Mar. 2023 – Initial release

### Applicable products and models

Huawei Smart String Energy Storage System  
LUNA2000-200KWH Series

### Description

Huawei smart string ESS shall be designed and manufactured according to IEC 62477-1 Standard. And the noise level of Smart String ESS shall be complied and tested in accordance with ISO 3746("Acoustics -Determination of sound power levels and sound energy levels of noise sources using sound pressure -Survey method using an enveloping measurement surface over a reflecting plane") and ISO9614-1("Acoustics —Determination of sound power levels of noise sources using sound intensity —Part 1: Measurement at discrete points").  
Detailed noise level for Huawei Smart String ESS is listed in the table below.

Product Smart String ESS	Noise level (Sound power level)
	69 dB(A) @1m

### Test condition & Test method

The Smart String ESS sound level measurements are carried out at rated output voltage and rated frequency, and Immediately after the background measurements, A-weighted sound pressure level measurements are carried out for each measuring position located around the energy storage system as detailed in the ISO 3746 and ISO 9614-1.