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## Application Note-Noise Level of Smart String Energy Storage System

Revision History

Version 1.0 Jan. 2024 – Initial release

### Applicable products and models


Huawei Smart String Energy Storage System

LUNA2000-213KTL-H0

### Description

Huawei smart PCS shall be designed and manufactured according to IEC 62477-1 standard. And the noise level of Smart PCS 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 ISO 9614-1 "Acoustics — Determination of sound power levels of noise sources using sound intensity — Part 1: Measurement at discrete points".

Detailed noise level for Huawei Smart PCS is listed in the table below.

Product Smart PCS	Noise level (Sound pressure level)
	75 dB(A) @1m

### Test condition & Test method

Smart PCS 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.