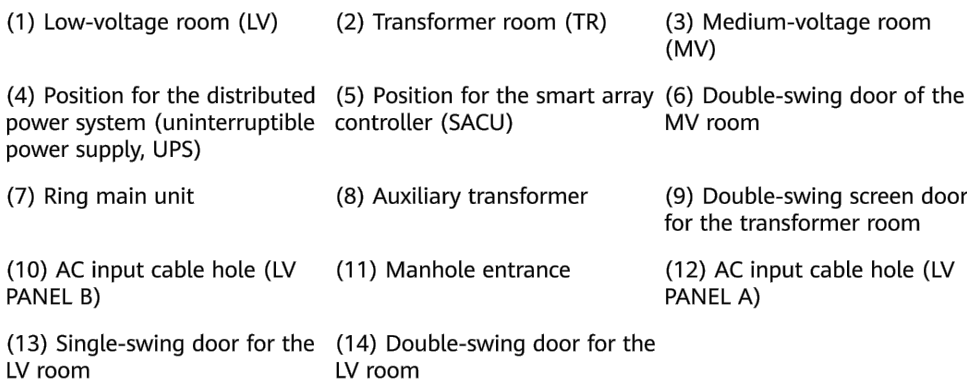




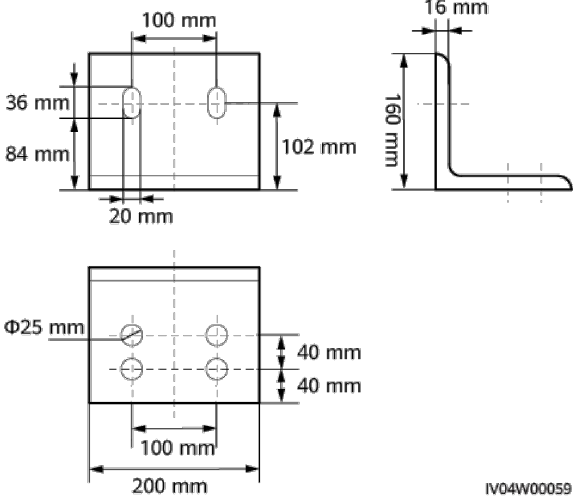
### Figure 2-2 Appearance



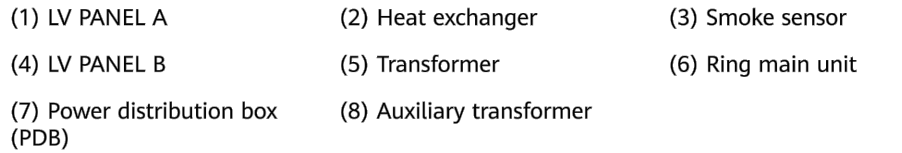
 **NOTE**

The STS-3000K-H1 does not have LV PANEL B configurations.

### Figure 2-3 Container dimensions



### Figure 2-5 STS components



This section shows only the components. The actual product appearance prevails.

#### 2.4.2.1 STS-3000K-H1 Single-sided Cabinet

The LV room is a single-side cabinet structure. To perform any operation, you only need to open the door of the LV cabinet without entering the STS.

# COMUNE DI SASSARI

OGGETTO  
REALIZZAZIONE IMPIANTO FOTOVOLTAICO A TERRA  
DA 7,59 MW – SU STRUTTURE FISSE SU PALI “TRUNCU  
REALE PV01” – COMUNE DI SASSARI (SS)

# PROGETTO DEFINITIVO

ELABORATO

DETTAGLI COSTRUTTIVI - POWER STATION

NUMERO ELABORATO

# AV 10

SCALA: 1 : 1000

DATA: NOVEMBRE2022

3	Terza emissione			
2	Seconda emissione			
1	Prima emissione			
REV.	DATA	DESCRIZIONE	REDATTO	CONTROLLATO
				APPROVATO
CODICE COMMESSA	NOME FILE	PRE	IMPIANTI	00
		FASE PROGETTUALE	CATEGORIA	REV.

PRE

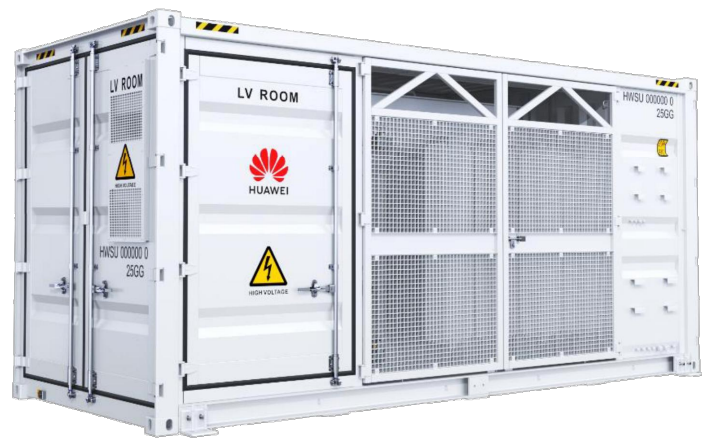
IMPIANTI

00

## E PROGETTUALE

CATEGORIA

REV.



Input	
Available Inverters	SUN2000-200KTL / SUN2000-215KTL
AC Power	3,250 kVA @40°C / 2,960 kVA @50°C <sup>[1]</sup>
Max. Inverters Quantity	16
Rated Input Voltage	800 V
Max. Input Current at Nominal Voltage	2482.7 A
LV Main Switches	ACB (2900 A / 800 V / 3P, 1*1 pcs), MCCB (250 A / 800 V / 3P, 1*16 pcs)
Output	
Rated Output Voltage	33 kV
Frequency	50 Hz
Transformer Type	Oil-immersed, Conservator Type
Tappings	± 2 x 2.5%
Transformer Oil Type	Mineral Oil (PCB Free)
Transformer Vector Group	Dy11
Minimum Peak Efficiency Index	99.465%, in accordance with EN 50588-1
Transformer Load Losses	30.1 kW
Transformer No-load Losses	2.51 kW
Impedance	7% (0 ~ +10%) @3,250 kVA
MV Switchgear Type	SF6 Gas Insulated, 3 Units
Auxiliary Transformer	5 kVA, Dyn11, 0.8/0.4 kV
Protection	
Transformer Monitoring & Protection	Oil level, oil temperature, oil pressure and buchholz
Protection Degree of MV & LV Room	IP 54
Internal Arcing Fault MV Switchgear	IAC A 20 kA 1s
MV Surge Arrester for MV Circuit Breaker	Equipped
LV Overvoltage Protection	Type I+II
General	
Dimensions (W x H x D)	6,058 x 2,896 x 2,438 mm (20' HC Container)
Weight	< 15 t (33,069 lb.)
Operating Temperature Range	25°C ~ 60°C <sup>[1]</sup> (-13°F ~ 140°F)
Relative Humidity	0% ~ 95%

SUNWAY STATION 1500 - 1500V 640 LS

