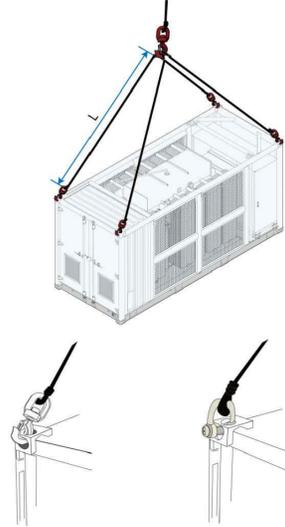


CABINA DI CAMPO

SUNGROW
MVS6750-LV

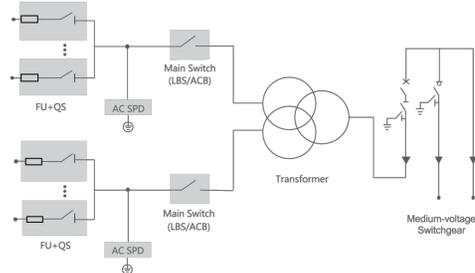


Sistema Sollevamento



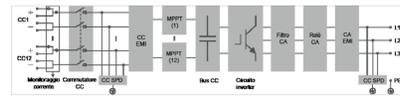
Type designation	MVS6400-LV
Transformer	Oil immersed
Rated power	6400 kVA @ 40 °C
Max. power	7040 kVA @ 30 °C
Vector group	Dy11/1
LV / MV voltage	0.6 - 0.8 kV / 10 - 35 kV
Maximum input current at nominal voltage	2540 A * 2
Frequency	50 Hz / 60 Hz
Tapping on HV	0,12±2,5%
Efficiency	≥99%
Cooling type	ONAN (Oil Natural Air Natural)
Impedance	8% (I10%)
Oil type	Mineral oil (PCB free)
Winding material	Al (Option:Cu)
Insulation class	A
MV Switchgear	
Insulation type	SF6
Rate voltage	24 - 36 kV
Rate current	630 A
Internal arcing fault	IAC AFL 20kA/1s
Qty. of feeder	3 feeders
LV Panel	
Main switch specification	4000 A / 800 Vac / 3P, 2 pcs
Disconnecter specification	260 A / 800 Vac / 3P, 20 pcs
Fuse specification	400A / 800 Vac / 1P, 60 pcs
Protection	
AC input protection	FUSE-Disconnecter
Transformer protection	Oil-temperature, oil-level, oil pressure
Relay protection	50/5I, 50N/5IN
LV overvoltage protection	AC Type II (optional: AC Type I + II)
General data	
Dimensions (W*H*D)	6058*2896*2438 mm
Approximate weight	22 T
Operating ambient temperature range	-30 to 60 °C
Auxiliary power supply	5 kVA / 400 V (optional: max. 40 kVA)
Degree of protection	IP54
Allowable relative humidity range (non-condensing)	0 - 95 %
Operating altitude	1000 m (standard) / 5-1000 m (optional)
Communication	Standard: RS485, Ethernet; Optional: optical fiber
Compliance	IEC 60076, IEC 62271-200, IEC 62271-202, IEC 61439-1, EN50588-1

Schema Elettrico

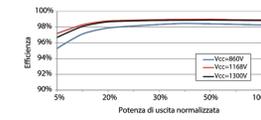


No.	Name	Description
1	LED indicator	To indicate the current working state of the inverter.
2	AC junction box	To connect AC cable and tracking system power cable in this area.
3	External protective grounding terminals	2, use at least one of them to ground the inverter.
4	Bottom handles	2, used to move the inverter.
5	Mounting lugs	4, used to hang the inverter onto the mounting bracket.
6	Wiring area	DC switches, DC terminals, and communication terminals.
7	Labels	To clearly identify the product, including nameplate, warning symbols and QR code.

Schema Elettrico



Curva di Efficienza



SUNGROW
Clean power for all

INVERTERS

SUNGROW
SG350HX

SUNGROW
Clean power for all

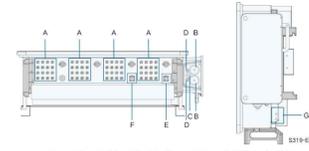
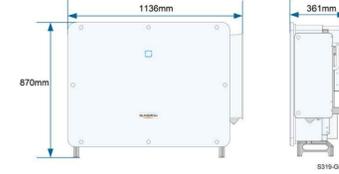
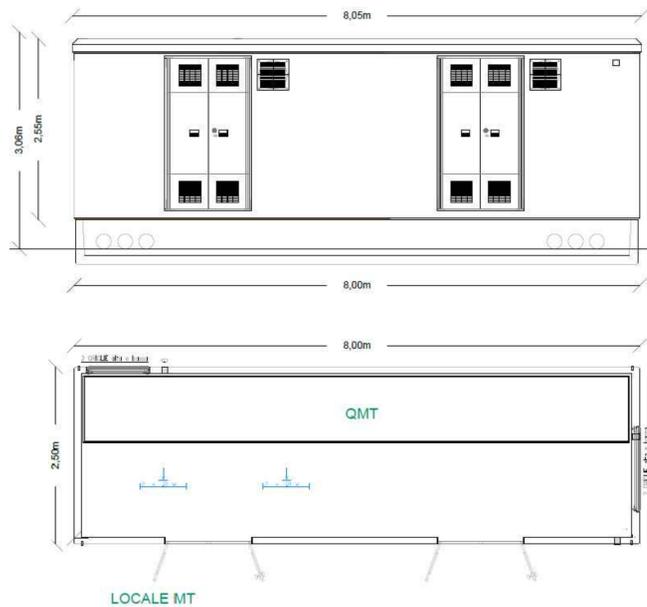


Figure 5-2 Terminal Description (Two Wires per Phase with Multi-core Cable)
*The image shown here is for reference only. The actual product received may differ.

Item	Terminal	Mark	Note
A	PV terminals	+/-	24 / 28 / 32, PV connector. The number of PV terminals varies, subject to actual product received.
B	AC wiring terminal	—	Used for AC output cable connection.
C	Standby grounding terminal	—	If the PE cable is an independent single-core cable, it should be led into the AC junction box for cable wiring through the standby grounding terminal.
D	Tracker terminal	—	For the power cord wiring of the Tracking system.
E	Communication terminal	COM1	For RS485 communication wiring.
F	Communication terminal	COM2	Optional, DI/DO and CAN wiring, etc. Communication terminal COM2 is optional, subject to actual product received.
G	External protective grounding terminal	—	For reliable grounding. 2, use at least one of them to ground the inverter.

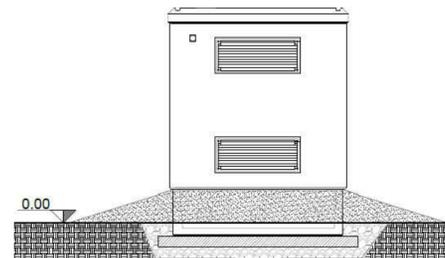
CABINA DI CONSEGNA

Prospetto



Pianta

Prospetto



IMPIANTO DI PRODUZIONE DI ENERGIA DA FONTE FOTOVOLTAICA POTENZA NOMINALE 30 MW

REGIONE SICILIA	PROVINCIA di ENNA	COMUNE di ASSORO
		Località " Contrada Campalone"
	PROVINCIA di CATANIA	COMUNE di RAMACCA
		Località " Contrada Cugno"

Scala: - Formato Stampa: A1 **PROGETTO DEFINITIVO**

TAVOLA **A.12.b.8** **CABINE ELETTRICHE**

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Responsabili Progetto: **Ing. Vassalli Quirino**
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Data	Motivo della revisione	Redatto	Controllato	Approvato
Dicembre 2020	Prima emissione	LS	LS	RSV

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