

REGIONE EMILIA ROMAGNA
PROVINCIA DI FERRARA
COMUNE DI JOLANDA DI SAVOIA

Progetto: PROVVEDIMENTO AUTORIZZATORIO UNICO
REGIONALE (P.A.U.R.)
(ai sensi dell'articolo 27 bis del D.Lgs. 152/2006)

REALIZZAZIONE IMPIANTO AGRIVOLTAICO
DI PRODUZIONE DI ENERGIA DA FONTE SOLARE
DENOMINATO "JOLANDA ZARDI"
DI POTENZA IN IMMISSIONE PARI A 22.274,20 kWp
Impianto sito nel Comune di Jolanda di Savoia,
Via Rossetta n. snc
44035 - Jolanda di Savoia (FE)

Committente: SOLAR PV 18 S.R.L.
Piazza Castello 19
20121 Milano (MI)



Progettisti: STERN DEVELOPMENT S.r.l.
L.go M. Novaro n. 1/a - 43121 Parma (PR)
e-mail: developmentoffice@stern-energy.com
pec: sterndevelopmentsrl@pec.it



Arch. Paolo Montanari
Via Prospero Manara n. 10 - 43121 Parma (PR)
e-mail: studio@archimonta.com



GRASS S.r.l.
Agr. Simonetta Dario
Via Armellini n. 7 - 04100 Latina (LT)
pec: grasssrl@pec.it

Archeol. Flavia Amato
Via Cesare Battisti n. 33 - 44020 Ostellato (FE)
e-mail: amatoflavia.archeologia@gmail.com

Elaborato:

Elaborato n.:
PD_ST03

SCHEDA TECNICA TRASFORMATORE

Scala:

Data:
13/10/2025

Solis-4000-MV

Solis MV Station

For 1500 V string inverter Solis 255K

Integrated delivery

- Mainstream 4MW subarray, widely used globally
- 20' HC standard container delivery, easy to transport

Convenient installation

- A complete solution, from inverter to main step-up transformer
- When the container is lifted to the foundation, only LV and MV cables need to be connected

Reliable products

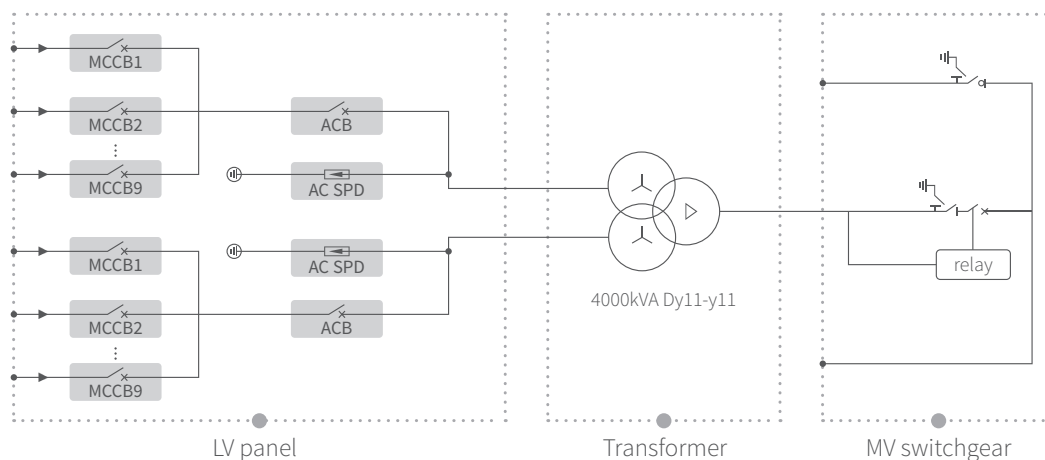
- LV panel, transformer and RMU to be placed independently
- Adopt international first-line brand equipment with reliable quality

Easy O&M

- Full frontal maintenance design
- Modular design of MV equipment, easy to replace



● Circuit diagram



DATASHEET

Solis-4000-MV

Models	Solis-4000-MV
LV panel	
MCCB specification	250 A / 800 Vac / 3P, 9 × 2 pcs
ACB specification	2000 A / 800 Vac / 3P, 1 × 2 pcs
Connection form with transformer	Copper busbar
Transformer	
Transformer type	Oil immersed
Rated output power	4000 kVA @ 40°C
Max. output power	4400 kVA @ 40°C 3h
LV/MV voltage	0.8 kV / 10 - 35 kV
Max. input current	1656 A × 2
Tapping on HV	±2 × 2.5%
Vector group	Dy11y11
Frequency	50 Hz / 60 Hz
Cooling type	ONAN
Impedance	7% (± 10%)
Oil type	Mineral oil (Optional: plant oil)
Winding material	Al / Al (Optional: Cu / Cu)
Insulation class	A
Connection form with MV switchgear	Cable
MV Switchgear	
Type of insulate	SF6 (Optional: SF6-Free)
Rated voltage	12 - 40.5 kV
Rated current	630 A
Internal arcing fault	20 kA / 1 s
Qty of feeder	3 feeders
Protection	
LV surge protection	AC type I + II
AC input protection	Circuit breaker
Transformer protection	Oil-temperature, oil-level, oil-pressure
Fire protection	Smoke detection, emergency lighting
General Data	
Dimensions (W × H × D)	6058 × 2896 × 2438 mm
Approximate weight	18 T
Operating ambient temperature range	-25 ~ +60°C
Max. operation altitude	2000 m
Auxiliary power supply	5 kVA / 230 V (Optional: max. 50 kVA)
UPS	1 kVA 30 min (Optional: max. 2 kVA 2h)
Degree of protection	IP54
Anti-corrosion Class	C4-H (Optional: C5-M)
Allowable relative humidity range	0 - 95%
Communication	RS485, Ethernet, Optical fiber
Compliance	IEC 60076, IEC 62271, IEC61439