

Solis-3150-MV

Solis PV Station

» For **1500 V** string inverter Solis 255K and Solis 255K-5G



Integrated delivery

- ▶ Mainstream 3.15MW subarray, widely used global
- ▶ 20 foot 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

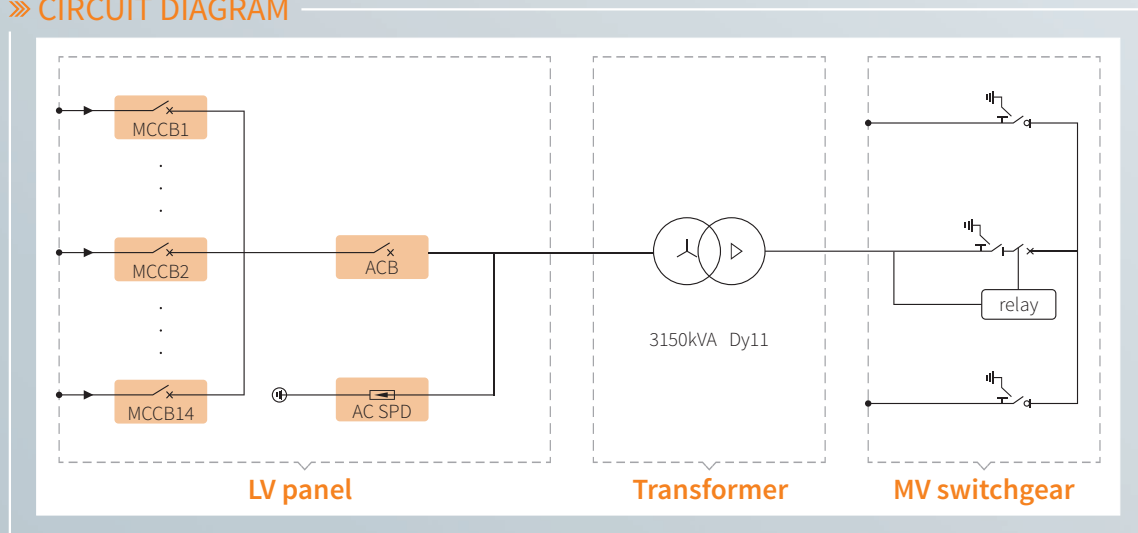
Reliable products

- ▶ LV panel, transformer and RMU 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

Model Name	Solis-3150-MV
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LV panel

MCCB specification	250 A / 800 Vac / 3P, 14 pcs
ACB specification	3200 A / 800 Vac / 3P, 1 pcs
Connection form with transformer	Copper busbar

Transformer

Transformer type	Oil immersed
Rated output power	3150 kVA @ 40°C
Max output power	3465 kVA @ 40°C 3h
LV/MV voltage	0.8 kV / 10-35 kV
Maximum input current	2577 A
Tapping on HV	±2*2.5%
Vector group	Dy11
Frequency	50 Hz / 60 Hz
cooling type	ONAN
Impedance	7.0%
Oil type	Mineral oil (Optional: plant oil)
Winding material	Al (Optional: Cu)
Insulation class	A
Connection form with MV switchgear	Cable

MV Switchgear

Type of insulate	SF6
Rate voltage	24-36 kV
Rate 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	17 T
Operating temperature range	-25 ~ +60°C
Operating altitude	1000 m (standard)
Auxiliary power supply	5 kVA / 230 V (Optional: max. 40 kVA)
UPS	1 kVA 30 min (Optional: max. 2 kVA 2h)
Degree of protection	IP54
Allowable relative humidity range	0-95%
Comunication	RS485, Ethernet, Optical fiber
Compliance	IEC 60076, IEC 62271, IEC61439