

Solis PV Station

» Solis-6300-MV For 1500 V string inverter Solis 255K



Integrated delivery

- ▶ Mainstream 6.3MW 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

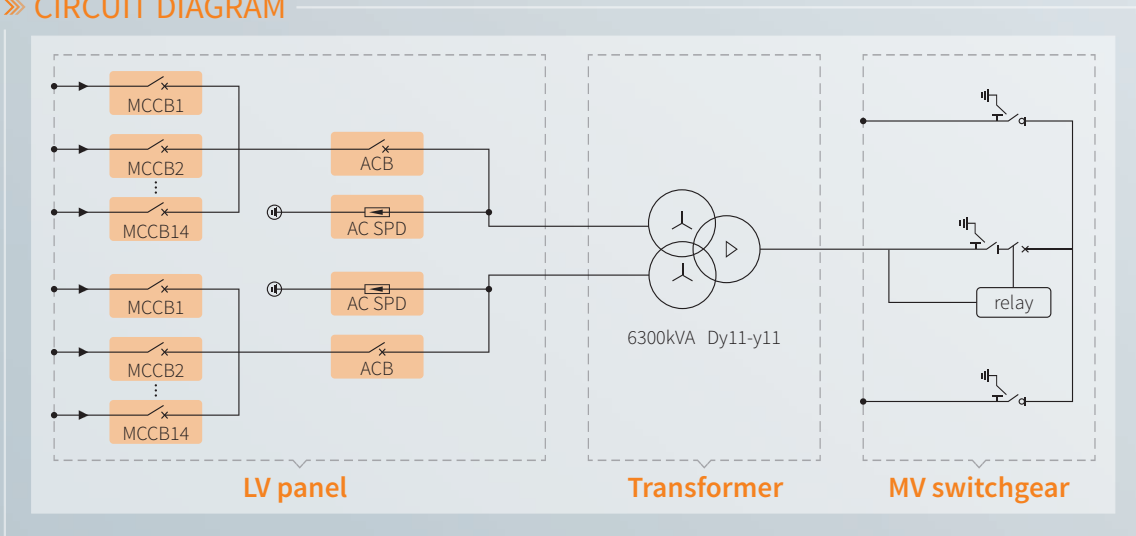
Reliable products

- ▶ 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-6300-MV
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LV panel

MCCB specification	250 A / 800 Vac / 3P, 14*2 pcs
ACB specification	3200 A / 800 Vac / 3P, 1*2 pcs
Connection form with transformer	Copper busbar

Transformer

Transformer type	Oil immersed
Rated output power	6300 kVA @ 40°C
Max. output power	6930 kVA @ 40°C 3h
LV/MV voltage	0.8 kV / 20-35 kV
Max. input current	2577 A *2
Tapping on HV	±2*2.5%
Vector group	Dy11y11
Frequency	50 Hz / 60 Hz
Cooling type	ONAN
Impedance	7.5%
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
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	24 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%
Communication	RS485, Ethernet, Optical fiber
Compliance	IEC 60076, IEC 62271, IEC61439