

SANTERNO SKID STATION

Fully Integrated Outdoor Solar Power Station



Features

- Rated output power: 1.0 or 1.5 MW
 - Power factor: +/- 0.9 @ rated power
 - Max operating temperature: 50 °C w/o active power limitation
 - Fully integrated on a transportable skid
 - Two 1000 V DC solar inverters, CAISO grid compliant
 - High efficiency liquid-filled MV distribution transformer
 - Designed according to NEC NFPA70, UL1741, IEEE1547
 - 98 % CEC weighted inverter efficiency
 - Designed for the North American market
 - Seismic zone 4 compliant
 - Desert protection kit available
 - Protective canopy available
 - Wake-up features for data access at night
 - Integrated monitoring
-

Product features

Maximum DC input voltage	1000 V DC	Cooling system	Forced air
Degree of protection	Nema 3R outdoor installation	Operating temperature (full power)	-25° C to + 50° C -13° F to 122° F
AC output voltage	12.47 kV up to 34.5 kV*	Nominal output frequency	60 Hz
Peak inverters efficiency	98.4 %	CEC weighted inverter efficiency	98 %
Power factor	Adjustable > 0.9 lead or lag	MV transformer efficiency	> 99 % @ 50 % load

* To be specified by customer

Technical features	1 MW Size	1.5 MW Size
MPP Tracking	495 - 820 V DC **	550 - 820 V DC **
Output rated power	1000 kW	1500 kW
Maximum DC current	2 x 972 A	2 x 1338 A

Mechanical Features

Dimensions (WxDxH)	255.9" x 94.5" x 94.5"	244.1" x 102.3" x 102.3"
Weight	27800 lbs / 12600 kg	30700 lbs / 13900 kg

** different ranges could be available

Possible configurations

Output power	1500 kW @ 1000 V DC 1000 kW @ 600 V DC	Station	Skid (Nema 3R) Cubicle
Grid management	LVRT Anti-islanding	Foundation	On concrete beams On concrete piers/pads
Certifications	UL/CSA compliance Behind the fence	Manufacturing and Ontario content	Manufactured in Ontario Manufactured in Italy or USA



Santerno Inc.
One Market St. Spear Tower, Suite 3600
San Francisco, CA - 94105 - U.S.A.
ph +1 415-293-8272
santernousa@santerno.com - santerno.com

Canada Sales Office
622 College Street, Suite 201F
Toronto, ON M6G 1B6, Canada
ph +1 416-789-0793

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY TÜV
ISO 9001

Important notice. The texts and data in this datasheets may be changed without prior notice. No liability shall be accepted for printing errors.