



Utility PV Plant Solution

Modular Central Inverter / DC1100U

- 1500Vdc/660Vac system
- 1120kVA output @51°C, maximum AC output power 1350kVA
- Key components modular design for easy O&M
- 100% Q night time reactive power & fast reactive/active control response time
- Support parallel installation up to 4 units



Specifications

Model Name		DC1100U
Input Side Data (DC)		
Max. PV Input Voltage		1500 V
MPP Voltage Range		953 V ~ 1500 V
Startup Voltage		960 V
No. of MPPTs		1
No. of DC Inputs		5 (optional 6/7)
Max. PV Input Current		1445 A
Max. Short-circuit Current (Isc)		3541 A
Output Side Data (AC)		
Max. AC Output Power		1350 kVA @ 23°C 1120 kVA @ 51°C
Max. AC Output Current		1180 A
Nominal AC Voltage		660V 3Ph
AC Voltage Range		660V ± 10%
Nominal Grid Frequency		50 Hz
Power Factor at Nominal Power / Adjustable Power Factor		1 / 0.8 ind ~ 0.8 cap
Q by Night		100 %
Frequency Range		50 Hz ± 10%
T.H.D		< 3 % at Rated output current
AC Connection Type		3 wire, max. 4 runs per phase per 1.1MW unit
Maximum Efficiency / Euro Efficiency		99.1 % / 98.8 %
General Specification		
Communication Port		RS-485 / Ethernet
Communication Protocol		Delta Protocol / Sunspec Protocol
Display		LED indicators, WLAN+WebHMI
Operating Elevation		3000 m (>2000m de-rating) Optional: Full power up to 3000m
Operating Temp. Range		-25°~60°C (de-rating@51°C)
Protection Level		IP65 (inverter) / IP44 (other)
Cooling		Forced air cooling
Noise Level		80 dbA
Dimension (W x H x D)		850 × 2333 × 1300 mm ¹⁾
Weight		850 kg
Grid Support		100% Q at night function L/HVRT, active & reactive power control Power ramp rate control Q-U control P-f control
Compliance		CEA, IEC 62109 -1 & -2, IEC 62116, IEC 60068, IEC 61683 IEC 61000-6-2 & 6-4, EN 50530, IEC 60529
Protection		
Overvoltage Protection		Built in DC type II / AC type II (Type I + II optional on AC side)
DC Reverse Polarity Protection		O
Leakage Current Protection		O
Ground Fault Detection		O
Fan Fail Detection		O
Grid Monitoring		O
Insulation Monitoring		O
Overheat Protection		O
Anti-PID		Resistive grounding

1) Excluding air dome.

Specifications are subject to change without prior notice.