

# Central Inverter

## 2MVA

### PVS990-2000



## Technical Specification

**Product Type Designation** PVS990-2000

### Input Parameters

Max. DC voltage (U <sub>max</sub> )	1500 Vdc
DC Voltage operating range (U <sub>dc,mpp</sub> )	935 - 1350 Vdc
Max. DC current (I <sub>dc max</sub> )	2300 A
Number of DC inputs	up to 7nos

### Output Parameters

AC voltage	660 V ±10%**
Nominal AC Power	1700 kVA
Nominal AC current	1487 A
Maximum AC Power	2040 kVA
Maximum AC current	1785 A
Output Frequency	50 / 60 Hz
Power factor range (cos phi)	0...1 (Lead-Lag)
Harmonic Current Distortion ( TDD)	≤3 %



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**Product** PVS990-2000  
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## Efficiency

Maximum efficiency	≥ 99%
Euro efficiency	≥ 98.8%

## Protections

DC Protection	Fuses & Motorized Load break switch
AC Protection	Air Circuit Breaker
Surge Protection	AC & DC Type 1+2
Anti-islanding	Yes
Insulation Monitoring / Ground fault monitoring	Yes
Over temperature protection	Yes
Emergency Power Off switch	Yes

## Features

Paralleling	Yes
Grid support	Yes
Datalogging	Optional
MPPT	Single
Night VAR compensation	Yes
Muti master communication	Up to 5 masters

## General Data

Degree of Protection	Outdoor / IP65
Dimension (WxHxD)	956x 2300x 2000 mm
Total Weight	1500 kg (approx.)
Operating Temperature	-20°C ...+60°C (Derating starts from 52°C)
Cooling Method	Forced Air Cooling
Operating Altitude	upto 4000m
Relative Humidity (Non Condensing)	5 ... 95 %
Corrosion class	C4, (C5 optional)

## Standard Compliance \*

CEA 2019, IEC 61683, IEC 62109-1-2, IEC 62116, IEC 62910, IEC 60068, IEC 61000, IEC 61727, EN50530

\*Under Certification

\*\* 600V, 630V, 690V AC voltage rating models are available.

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