FIMER

Central Inverter 2MVA

PVS990-2000

Technical Specification

Product Type Designation	**PVS990-2000**
Input Parameters	
Max. DC voltage (Umax)	1500 Vdc
DC Voltage operating range (Udc,mpp)	935 - 1350 Vdc
Max. DC current (Idc max)	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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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.