



// VIGDU P-10 PREVENTIVE & REGENERATION PID DEVICE

Potential Induced Degradation (PID) is a common phenomenon causing PV panels to rapidly lose power generation. This level of degradation can drop overall system power output by 30% and more, have crucial effect on project financing of residential, commercial and utility-base PV projects

Vigdu is an Israeli based high-tech R&D and manufacturer. After years of on-going R&D we produced a leading, unique and cost effective solution to PID.

// PRICING & ECONOMICS

- No 1. cost effective Anti PID Device
- Fast return on investment
- Low Power Consumption

// COMPETABILITY

- Suitable for residential PV system
- Suitable for single string inverter up to 25Kw
- High efficiency and long operating life

// FUNCTIONALITY

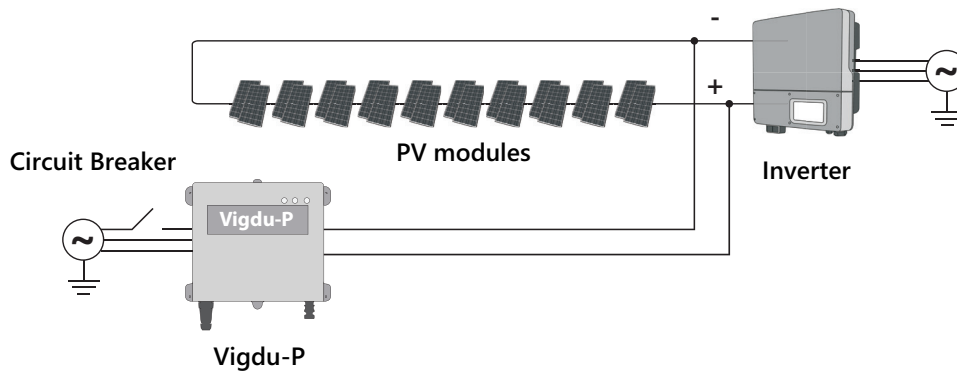
- Plug & Play
- Fully automatic operation
- Remote monitoring (Optional)

// SAFETY & CERTIFICATION

- Extensive DC & AC protection
- Smart protection functionality
- Proven technology & reliable components
- Fully analog components design for long term reliability

// BOX FEATURES

- IP 65
- Polycarbonate
- No need for grounding
- UV Resistance



// SERIES	// DESCRIPTION
Vigdu-P 10	Connection to single string Inverters with up to two MPPT's
// PV ARRAY / INVERTER INPUT	// VIGDU - P10
Max. PV voltage	Up to 1000V
Max. PV voltage (in device operation mode)	50V (+/- 5%) *
Max. PV voltage for standby	15V (+/- 5%) *
Output voltage to ground	400V / 550V / 700V / 1000V (adjustable)
Max. output current	3mA
Min insulation resistance	200kΩ
Application range	String Inverters
// GRID (AC)	
Nominal AC Input Voltage	110V / 220V
AC Input Voltage Range	90Vac ~ 240Vac
Nominal Frequency	50 ~ 60 Hz
Power consumption in standby operation	< 0.5W
Maximum AC power consumption	3W
// HOUSING	
Application	Outdoor / Indoor
Material	PC - Polycarbonate
Color	Light Grey
Mounting	Wall Mounted
// DIMENSIONS & WEIGHT	
Dimensions	145 x 120 x 60 [mm]
Weight	0.7kg
// SAFETY CLASS & ENVIROMENTAL CONDITIONS	
Safety Class	IP65
Permissible ambient temperature	-25°C ~ 60°C
Rel.ambient humidity. non-condensing	Up to 90%
Altitude above sea level	Max. 2000m
// OUTPUT PARAMETERS	
PV+ pull up	MC4 socket
Standby to operation mode delay *	7 – 8 min
// COMMUNICATION	
Ethernet	10/100
// CERTIFICATION	
EMC	EN 61326-1 (2013)
Safety	EN 61010-1 (2010)
// GENERAL	
Warranty	36 month

* Operation mode with increase potential voltage with respect to ground, only when voltage on string falls below 15V and operation delay. Disconnection with rises of PV voltage above 50v.