

# Vigdu PR series

## Technical data:

// PV SYSTEM		// DESCRIPTION
Vigdu-PR		Up to 11 modules and up to 4,000 KW
Inverter type		Central Inverters and String Inverters
Inverter outputs		1 – 11 channels
Reactive Power mode compatible		Yes
// NIGHT OPERATION MODE		
Max. PV voltage		1500 V
Threshold PV Voltages*	High Rail	50V – 500V (Adjustable)
	Low Rail	15V – 465V (Adjustable)
Output voltage to ground		750V - 1200V (Adjustable)
Max. output current		10mA - 280mA (Adjustable)
Min. insulation resistance		4.3 kΩ
// DEVICE OVERALL SPECIFICATIONS		
AC input voltage range		150 Vac ~ 265 Vac
Nominal Frequency		50 ~ 60 Hz.
Power consumption in standby operation		<3W
Maximum AC power consumption		370VA
Connector type		MC4 / Sunclix
Installation		Indoor / Outdoor IP65
Mounting		Wall mounted
Dimensions		291 x 285 x 100 [mm]
Material		UV resistance polycarbonate
Weight		1.9 Kg
// SAFETY CLASS		
Safety Class		IEC 62109-1
EMC		EN-61326-1 (2013)
// INVIORMENTAL CONDITIONS		
Permissible ambient temperature		-25°C ~ 60°C
Rel. ambient humidity (non-condensing)		Up to 90 %.
Altitude above sea level		Max. 2000 m.
// COMMUNICATION		
Communications		Modbus RTU - RS485
// REMOTE FUNCTIONS		
Enable/disable		Yes
Threshold PV Voltages*		Yes
Output voltage control		Yes (Adjustable 750V to 1200V)
Current limit control		Yes (Adjustable 10mA to 280mA)
Start-up duration time**		Yes (30sec. to 3600sec.)
// MONITORING		
Operational Current		Yes
Operational Voltage		Yes
PV Voltage		Yes
Operation Mode Status		Yes
Malfunctions		Yes
Warranty		36 months

\* Threshold PV voltages setup – The threshold PV voltages between positive and negative DC to begin 'Timing mode' (Vpv below High Rail) and 'Waiting mode' (Vpv above High Rail).

\*\* Start-up Duration Time – The duration of time it takes for the device to start Recovery mode once Low Rail voltage is detected. (This period of time configured to allow safe operation between inverter disconnection to device operation)