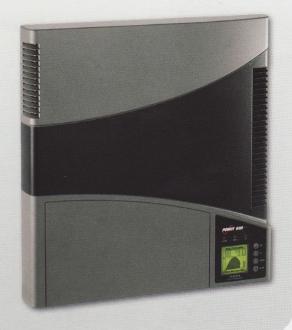


General Specifications Indoor models PVI-2000 PVI-3600

AURORA® BENEFITS

- Dual input section to process two strings with independent MPPT (3600W models)
- Robust IP21 (NEMA 2) indoor enclosure and conformal coating of the boards to stand harsh environmental conditions
- · High speed, advanced MPPT controls for maximum energy harvesting
- Very compact and light design for ease of installation: 3600W of output power in a box just 440mm x 465mm x 57mm weighting less than 7.5kg (16,5 lbs)
- Graphical LCD Display on the front panel with integrated data logger
- Transformerless operation for highest efficiency: up to 96%
- Reverse polarity protection minimizes chance of damage due to mis-wiring
- True Sine Wave Output
- Anti-islanding protection
- Certified grid connected operation according international standards



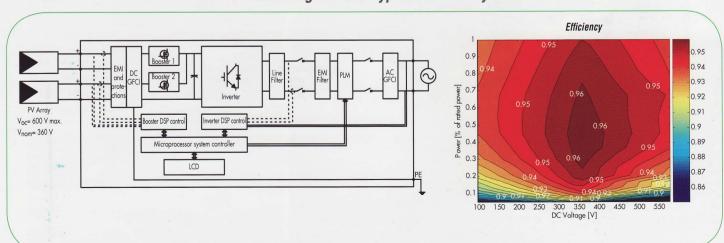
SMART CONTROLS

Aurora controls are DSP (Digital Signal Processor) based with sophisticated control and self-diagnostic algorithms. A 128 x 128 graphical LCD display shows the unit's operating status, its performance and diagnostic messages. Four scrolling keys on the front panel of the unit are used to navigate menus for data display and parameter settings.

STANDARDS AND CODES

Aurora inverters comply with standards set for grid-tied operation, safety and electromagnetic compatibility including: VDE0126, CEI 11-20 IV ed, DK5940, IEC 61683, IEC 61727, EN50081, EN50082, EN61000, CE certification, El Real Decreto RD1663/2000 de España.

Block Diagram and typical efficiency







CHARACTERISTICS	PVI-2000	PVI-3600
IPUT PARAMETERS	0.1	3.8
ominal DC Power [kW] lax, Recommended DC Power [kW]	2,1	4,2
perating Input Voltage Range [V]	90 - 580 (360 non	ninal)
ull Power MPPT input voltage range (symmetrical load) [V]	210-530	190-530
ull asymmetrical load input voltage range [V]	NA 600	200-530 (@ 2kW) / 180-530 (@ 1,8kW)
bsolute Max. Input Voltage [V] ctivation voltage "Vstart" [V]	200 nominal (adjustable within the range 120Vdd	e-350Vdc, independently/each input)
o of independent MPPT trackers	1	2
lax. Input Power, each MPPT [kW]	2	2
o. of DC Inputs	1 10 (12 shortcircuit)	2 (1 each MPPT) 10 (12 shortcircuit)
ax. DC Current, each MPPT [A]	2 (1 positive, 1 negative)	4 (2 positive, 2 negative)
	MultiContact Ø 3mm (male - positive inp	
C Connection	Mating cable connector included Conductor cross section: 4-6mmq/AWG12-10 - Cable Ø w/insulator: 3-6mm	
IPUT PROTECTION everse polarity protection	Yes	
everse potarity protection use rating, each input (-FS suffix versions only)	NA IES	NA
C side varistors	2, thermally protected	4 (2 for each MPPT), thermally protected
V array Insulation Control	according to VDE01	126-1-1
C Switch (-S/-FS suffix versions only)	NA NA	
UTPUT PARAMETERS ominal AC Power [up to 40°C, kW]	2	3,6
lax. AC Power [kW]	2	3,6
C Grid Connection	single phase 230Vac	50Hz + PE
ominal AC Voltage [V]	230	
laximum AC Voltage Range [V]	180-264 50	
lominal AC Frequency [Hz] Tax. AC Line Current [A]	9	16
IMA. NO LINO GUITOIT [11]	Circular Bayonet Co	
C Connection	Conductor Cross Section: Solid / Strande	
to Domos Foster	Outer Cable Ø: 10-	-12mm
ine Power Factor IC Current Distortion [THD%]	<2,5% at rated power with s	sine wave voltage
O GUITENT BISCORION	CLO70 ACTAGO POTOS MINIO	
C side varistors	2, plus gas arrester to ground	
round fault protection (AC + DC leakage current)	according to VDEO	126-1-1
ONVERSION EFFICIENCY Aax. Efficiency	96%	
uro Efficiency	95,00%	
NVIRONMENTAL PARAMETERS		
Cooling	Forced cooling	
Ambient Temp. Range (°C) Doertaino Altitude (m)	-25 / +55 (output power derating above 40°C) 2000	
operaning Annuae (m) Acoustical Noise (dBA)	<30 @1mt (<50 @1mt with fan at full speed)	
Environmental IP Rating	IP21	
Relative Humidity	0-90% non condensing	
MECHANICAL	440 x 465 x	57
Dimensions (H x W x D) Weight (kg)	6	7,5
THER		
tand-By Consumption [W]	8	
eed in Power Threshold [W]	10	
light Time consumption [W] solation	U,3 No isolation, Transfo	ormer-less
Display	YES (Grafico)	
	RS485 (cage-clamp connector - Conductor cross section: 0,08-1,5mmq/AWG28-16); RS232 (DB9)	
Communication	Optional "Aurora Easy Control" rer	mote monitoring system
AVAILABLE PRODUCT VARIANTS	DVI 2000	PVI-3600
Standard - no options With DC switch	PVI-2000 NA	
With DC switch and protection fuse/each input	NA NA	NA NA

OWED
POWER
2000W
3600W

