

Solar 8000i

High-acuity patient monitoring

The Solar® 8000i is a modular, high-acuity patient monitoring system that enhances clinical decision-making with a constant flow of quality information. It provides robust clinical standards including core vital signs, advanced cardiac care and ventilation evaluation for the OR, ICU and NICU care areas.

The Solar 8000i offers an extensive selection of modules – from the new CARESCAPE™ Patient Data Module and the Tram® multiparameter module to individual parameter measurement modules – so you can quickly and cost-effectively adapt your monitor to a broad range of care needs. When using the Patient Data Module or TRAM module in conjunction with the Transport Pro display, a stationary monitoring setting is transformed into a portable monitoring solution, allowing critical data to remain with the patient throughout the hospital.

Clinical excellence

- Core vital signs include Marquette® ECG, DINAMAP® NIBP, the gold standard Masimo® SET SpO₂ and Nellcor® SpO₂.
- Additional parameters can be added as needed for use in specific care areas across the hospital: ER, OR, ICU, NICU and others.
- Additional capabilities when using the Patient Data Module include DINAMAP Super Stat, belly lead respiration detection, latest 12SL version and the new 12RL.

Flexible viewing options

- Care-unit-specific remote controls provide easy one-button access to commonly used functions, while easy-to-use touch screens and consistent menu structures enhance usability.
- The vertical split-screen capability allows you to view two patients simultaneously without any loss of information on screen.
- Auto View on Alarm (AVOA XM) allows clinicians to remotely view alarms and other patient information on beds throughout the care unit without requiring a separate server.

Enhanced connectivity

- The seamless, transport capabilities of the Patient Data Module or Tram multi-parameter module eliminate time spent disconnecting and reconnecting leads or re-zeroing devices.
- To streamline the workflow even more, the Solar 8000i connects to mission-critical networks and Centricity® systems; patient data can be charted automatically, creating a more comprehensive patient record.
- Direct connection to the Unity Network® ID (UNID) provides third-party devices the ability to pass waveforms, data and alarm information to the Solar 8000i and on to the Unity Network.



Performance specifications

Processing

Main processor	Motorola® MPC860P (PowerPC), 66MHz, 32 bit
Graphics processor	Intel® B69030 Graphics Accelerator with Silicon Image Transmitter providing images on VGA and DFP displays
Tram-net® communication Processor	Within Motorola MPC860P (PowerPC), 66 MHz, 32 bit
LAN communication	Within Motorola MPC860P (PowerPC),
Processor	66 MHz, 32 bit

Environmental specifications

Power requirements

	110±20 VAC, 50/60 Hz, 230±40 VAC, 50/60 Hz, single phase
Low voltage shutdown	<90 VAC/<190 VAC
Cooling	Natural convection

Power consumption

Heat Dissipation	341 Btu/hr (100 watts)
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Operating conditions

Temperature	0°C to 40°C (32°F to 104°F)
Relative humidity	15% to 95% (non-condensing)

Storage conditions

Temperature	-40°C to 70°C (-40°F to 158°F)
Relative humidity	15% to 95% (non-condensing)

Display characteristics*

Display	The display is ordered separately from the Solar 8000i Processing Unit
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GE imagination at work

Display size	15" - 19" typical
Display resolution	1024 x 768
Display types	Analog and digital flat panel, CRT displays
Sweep speed	25mm/sec typical (User has ability to vary speeds of individual traces)
Touch screen	Utilizes ELO graphics and surface acoustic wave technology
Frequency	Limited by input response of data response acquisition device
Number of traces	1 to 8
Display organization	Prioritized by parameter
Waveform display	Full, individual or CRG+ Options
Information window	Displays non-real-time information without obstructing the display of real-time patient information
Number of seconds/trace	6.5 secs. typical (Can differ if user varies speeds of individual traces)

* Specifications based on a complete system including a 15" monitor (display).

Physical specifications (CPU)

Height	3.2 in (8.1 cm)
Width	13.9 in (35.4 cm)
Depth	13.2 in (33.4 cm)
Weight	12.3 lbs (5.6 kg)

Compliance and approvals

IEC/EN/UL 60601-1, CAN/CSA C22.2 No. 601.1, IEC/EN 60601-1-2,
IEC/EN 60601-1-4

CE Marking for the 93/42/EEC - Medical Devices Directive

Warranty

Standard warranty is one year.

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