









## WHICH GENERATOR CONTROLLER IS RIGHT FOR YOU?

	Smart Turbo v1.2	Smart GT v1.0	Surf LT v1.0	Surf 1.3
				
Automatic Engine Starting and Stopping	✓	✓	✓	✓
Automatic Mains Failure	—	—	✓	✓
User Access	3 Push Buttons	3 Push Buttons	8 Push Buttons	8 Push Buttons
Dimensions (WidthxHeightxDepth)	72x72x32 mm	72x72x32 mm	208x160x32 mm	208x160x32 mm
Panel Cut Out	68.5x68.5 mm	68.5x68.5 mm	184x139 mm	184x139 mm
Number of Phases	1 Phase	1 Phase	1phase/3Phases	1phase/3Phases
Digital Outputs	4	4	6	10
Digital Inputs	5	5	5	5
Analog Inputs	—	2	4	4
Voltage Measurement	1 L-N	1 L-N	3 L-N, 3L-L	3 L-N, 3L-L
Frequency Measurement	✓	✓	✓	✓
Current Measurement	—	✓	✓	✓
Power Measurement	—	✓	✓	✓
Energy Measurement	—	✓	✓	✓
Run Hours Counter	✓	✓	✓	✓
Oil Run Hours Counter	✓	✓	✓	✓
Over/Under Voltage Alarm and Shut down	✓	✓	✓	✓
Over/Under Frequency Alarm and Shut down	✓	✓	✓	✓

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Overload Alarm and Shut down	—	✓	✓	✓
Low Oil Pressure Alarm and Shut down	✓	✓	✓	✓
High Engine Temperature Alarm and Shut down	✓	✓	✓	✓
Battery Alarm	✓	✓	✓	✓
Dynamo Fail Alarm and Shut down	✓	✓	✓	✓
Low Coolant Level Alarm and Shut down	✓	✓	✓	✓
Low Fuel Alarm and Shut down	✓	✓	✓	✓
Tank Empty Alarm and Shut down	—	—	✓	✓
Automatic Shutdown on Fault Condition	✓	✓	✓	✓
Solid-State Short Circuit Protected Outputs	✓	✓	✓	✓
Galvanic Isolation for Utility and Genset AC Inputs	—	—	—	✓
Oscilloscope	—	—	✓	✓
Faults Logging	—	Up to 10 faults	Up to 15 faults	Up to 100 faults

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Events and Data Logging	—	—	—	✓
USB Interface	—	—	✓	✓
CAN Module (J1939 Protocol)	—	—	Optional	✓
Ethernet Module	—	—	—	✓
RS485 (Modbus)	—	—	Optional	✓
SNTP Client	—	—	—	✓
MQTT Server Protocol	—	—	—	✓
Fuel Saver Controller	—	—	—	✓
MicroSD Card	—	—	—	✓
SMS via GSM Module (RS232 Interface)	—	—	—	✓
On-site Firmware Upgrade	✓	✓	✓	✓
Remote Online Firmware Upgrade	—	—	—	✓