





WHICH GENERATOR CONTROLLER IS RIGHT FOR YOU?

	Smart Turbo v1.2	Smart GT v1.0	Surf LT v1.0	Surf 1.2c
				
Automatic engine starting and stopping	✓	✓	✓	✓
Automatic mains failure	—	—	✓	✓
User Access	3 Push Buttons	3 Push Buttons	8 Push Buttons	5 Push Buttons
Dimensions (WidthxHeightxDepth)	72x72x32 mm	72x72x32 mm	208x160x32 mm	196x144x33 mm
Panel cut out	68.5x68.5 mm	68.5x68.5 mm	184x139 mm	182x137 mm
Number of Phases	1 Phase	1 Phase	1phase/3Phases	1phase/3Phases
Digital Outputs	4	4	6	6(Optional 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	if SD Card is present, Up to 100 faults Else, Up to 15 faults

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EVENTS AND DATA LOGGING	—	—	—	Available if SD Card is present
USB interface	✓	✓	✓	✓
CAN Module (J1939 Protocol)	—	—	Optional	✓
Ethernet Module	—	—	—	Optional
RS485 (Modbus)	—	—	Optional	Optional
MicroSD Card	—	—	—	Optional
SMS via GSM Module (RS232 Interface)	—	—	—	✓
On-site Firmware Upgrade	✓	✓	✓	✓
Remote Online Firmware Upgrade	—	—	—	✓