SMG40

Battery State-of-Charge display with 3 LEDs;
Acoustic load disconnect pre-warning;
PWM-regulation (series type);
Boost, Equalize and Float charging, also for VRLA;
Automatic 12/24 Volt detection;
Integrated temperature compensation;
Large terminals (up to 6mm2 wire size);
SOC and voltage controlled LVD;
Fully electronically protected.

The SMG series is a sophisticated solar charge controller family for low cost applications.The electronic circuit is equipped with a microcontroller that provides high-efficiency charging technology together with a number of outstanding status display, warning and safety functions.
The temperature-compensated three-stage PWM charging method (boost-equalizationfloat) is now adjustable to sealed and vented lead-acid batteries.
The new version also allows an either SOC or voltage controlled low voltage disconnect function. The battery status is clearly indicated by three LEDs.
As the first controller on the market in this price range it comes with an acoustic low voltage load disconnect pre-warning feature.

Model	SMG30	SMG35	SMG40	SMG45	SMG50	SMG60
Nominal voltage	Automatic recognition 12/24V					
Max. solar panel current	30A	35A	20A	30A	40A	
Max. load panel current	30A	35A	20A	30A	40A	
Boost voltage	14.5V/29.0V					
Equalization voltage	14.8V/29.6V					
Equalization voltage	13.7/27.4V					
Deep discharge protection	11.0/22.0V Controlled					
	byvoltage					
Load reconnect voltage	12.8/25.6V					
Temperature compensation	-4mV/cell×K					
Self consumption	<4mA					
Max. wire size	16mm2(AWG#6)					
Dimensions(W×H×D)	98×122×49mm(W×H×D)					
Weight	400g					
Temperature range	-20to +50/P>					
Type of protection	IP44					