

### Specification of Solar Charge Controller (HomeGuard Series)

	HomeGuard 3/3	HomeGuard 3/6
<b>General</b>		
Application	Solar electrification	
Use	Battery charge controller	
Operating Temperature	0°C to 50°C	
Storage Temperature	-10°C to 60°C	
Charge controller type	Two step charging algorithm	
Battery temperature compensation	-4mV to -5mV/°C/cell	
Charging indication	Provided	
Low battery indication	Provided	
<b>Electrical</b>		
Nominal system voltage	12V DC	
Solar Module size (Max)	40Wp	
Charging current (Solar)	3A	3A
Load current	3A	6A
Charge controller efficiency	>93%	
Idle consumption	<5mA	
Low battery cut off voltage @ 25°C	11.15V ± 0.2V	
Load reconnect voltage @ 25°C	13.05V ± 0.2V	
Floating voltage @ 25°C	13.8/13.5V ± 0.2V (Tubular/SMF)	
Gassing voltage @ 25°C	14.9/14.5V ± 0.2V (Tubular/SMF)	
Module reverse current flow protection	Provided	
Reverse Battery protection	Provided	
Overload protection	Provided	
<b>Mechanical</b>		
Fixing	Wall mounting with screws	
Case	Injection Moulded Engineering Plastic	
Connectors	Heavy duty terminal connectors	
Colour (case)	Black	
Size (Un packed) (LxWxD)(mm)	90x95x35	
Weight (Un packed)	115gm	
Size (Shipping)	93x100x38	
Weight (Shipping)	130gm	
<b>Options (To be mentioned while placing orders)</b>		
Battery selection	VRLA (SMF) or Tubular Lead Acid Battery	
Colour of case	As per customer requirement for order quantities more than 1000 Numbers	
Printing on case	As per customer requirement for order quantities more than 1000 Numbers	
<b>Ordering Information</b>		
For Flooded Tubular Battery	SCC-M0303C	SCC-M0306A
For VRLA (SMF) Battery	SCC-M0303D	SCC-M0306B

Note: Specifications subject to change without notice. Check for latest update