




Intelligent Solar System Controller Maxi ISC 30 StarPlus

Maxi ISC 30 StarPlus intelligent solar system controller are the best seller of one of the most used SHS controller. With high power up to 30A at automatically recognized 12 V or 24 V it fits to a system with 900 Wp. The circuit board is completely electronically protected and a large display informs the users about all operating modes with the aid of symbols including voltage, current and state of charge. Large terminals guarantee a simple connection of solar panel, battery and load.



PRODUCT NAME Maxi ISC 30 StarPlus	MODEL NUMBER ISC 3020	Application: Solar Residential System, Recreational Vehicles, Marine Boat																												
Product Features		MODEL NUMBER ISC 3020																												
<ul style="list-style-type: none"> - Microcontroller digital accuracy - Voltage series regulation - Automatic detection of the voltage - PWM control - State of Charge (SoC) advanced technology - Temperature compensation - Common positive grounding 		<p>Operating Performance</p> <table border="0"> <tr> <td>System Voltage</td> <td>12 V (24 V)</td> </tr> <tr> <td>Typical Idle Consumption</td> <td>< 20 mA</td> </tr> </table> <p>DC input side</p> <table border="0"> <tr> <td>Open circuit voltage solar module</td> <td><47 V</td> </tr> <tr> <td>Max. input current</td> <td>30 A</td> </tr> </table> <p>DC output side</p> <table border="0"> <tr> <td>Max. load current</td> <td>30 A</td> </tr> <tr> <td>End of charge voltage</td> <td>13.4 V ... 14.2V (26.9 V ... 28.4 V)</td> </tr> <tr> <td>Boost charge voltage</td> <td>14.4 V (28.8 V)</td> </tr> <tr> <td>Reconnection voltage (LVR)</td> <td>12.5 V (25 V)</td> </tr> <tr> <td>Deep discharge protection (LVD)</td> <td>11 V 11.5 V (22 V 23 V)</td> </tr> </table> <p>Operating Conditions</p> <table border="0"> <tr> <td>Ambient Temperature</td> <td>-20°C +50°C</td> </tr> </table> <p>Fitting and construction</p> <table border="0"> <tr> <td>Terminal (fine/single wire)</td> <td>16 mm2 / 25 mm2 - AWG 6 / 4</td> </tr> <tr> <td>Degree of protection</td> <td>IP 32</td> </tr> <tr> <td>Dimension (X x Y x Z)</td> <td>169 x 97 x 44 mm</td> </tr> <tr> <td>Weight</td> <td>350 g</td> </tr> </table> <p><i>Technical data at 25°C/77°F</i></p>	System Voltage	12 V (24 V)	Typical Idle Consumption	< 20 mA	Open circuit voltage solar module	<47 V	Max. input current	30 A	Max. load current	30 A	End of charge voltage	13.4 V ... 14.2V (26.9 V ... 28.4 V)	Boost charge voltage	14.4 V (28.8 V)	Reconnection voltage (LVR)	12.5 V (25 V)	Deep discharge protection (LVD)	11 V 11.5 V (22 V 23 V)	Ambient Temperature	-20°C +50°C	Terminal (fine/single wire)	16 mm2 / 25 mm2 - AWG 6 / 4	Degree of protection	IP 32	Dimension (X x Y x Z)	169 x 97 x 44 mm	Weight	350 g
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Electronic Protection Functions																														
<ul style="list-style-type: none"> - Overcharge protection - Deep discharge protection - Reverse polarity protection of load, module and battery - Automatic electronic fuse - Short circuit protection of load and module - Overvoltage protection at module input - Open circuit protection without battery - Reverse current protection at night - Overload protection - Battery overvoltage shutdown 																														
Displays																														
<ul style="list-style-type: none"> - Graphical LCD Display shows operating states - for operation state of charge, fault messages 																														
Operation																														
<ul style="list-style-type: none"> - Manual load switch 																														
Certificates																														
<ul style="list-style-type: none"> - CE compliant according EN61000-6-1 and EN61000-3 - UL 1741 compliant - RoHS compliant - Manufactured according to ISO 9001 and ISO 14001 																														
		