

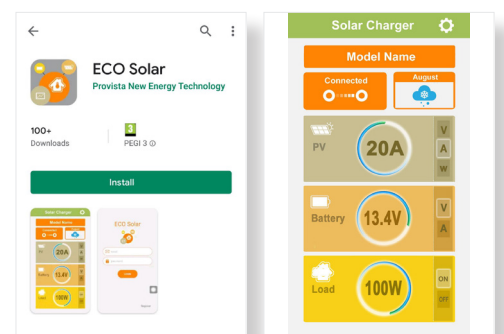
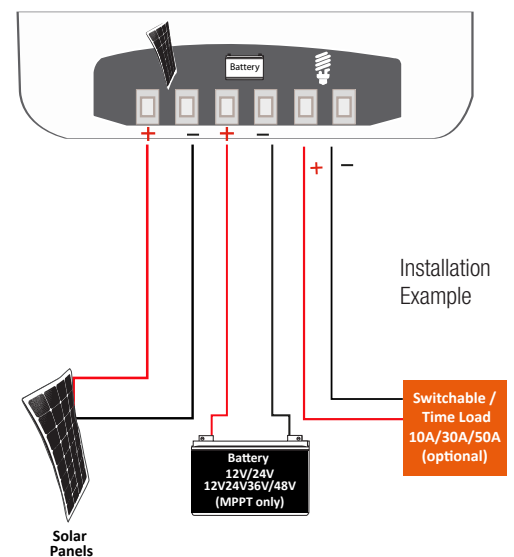
# WP-Suntrack 50

## MPPT Solar Charge Controller



The WhisperPower Suntrack 50 MPPT Solar Charge controller is connecting solar panels (PV) to a 12, 24 or 48 VDC battery. The advanced MPPT technology applied ensures a fast and complete charge, even under cloudy and fluctuating weather circumstances. The Suntrack 50 comes with a monitoring APP (Ecosolar) and bluetooth connection.

|                                              | WP-Suntrack 50                                                             |
|----------------------------------------------|----------------------------------------------------------------------------|
| Article Nr.                                  | 60111436                                                                   |
| <b>PV INPUT</b>                              |                                                                            |
| PV max open circuit voltage (VDC)            | 135 V                                                                      |
| MPPT voltage                                 | 16-108 V                                                                   |
| Max PV input power                           | 12V Battery 700W; 24/48V Battery 1400W;                                    |
| Max MPPT current                             | 12/24 V / 50 A; 36V / 35 A; 48 V / 25 A                                    |
| <b>DC OUTPUT</b>                             |                                                                            |
| Battery voltage                              | 12 V / 24 V / 36 V / 48 V                                                  |
| Battery capacity                             | ≥50Ah                                                                      |
| Output current                               | 50A Max                                                                    |
| Constant voltage charging voltage            | STD:14.4 V/28.8 V/43.2 V/5 7.6 V - LI:14.5V - AGM:14.6V/29.2V/43.8V/ 58.4V |
| <b>LOAD OUTPUT</b>                           |                                                                            |
| Output voltage                               | 12V/24V/36V/48V                                                            |
| Output current                               | 50A                                                                        |
| Output protection current                    | 55A                                                                        |
| <b>USB OUTPUT</b>                            |                                                                            |
| Output voltage                               | 5V                                                                         |
| Max output current                           | 3.4A Max                                                                   |
| Standby current                              | Battery input 12VDC                                                        |
| Solar charger                                | <60 mA                                                                     |
| Solar charger + Wifi module                  | <160 mA                                                                    |
| <b>PROTECTIVE FUNCTION</b>                   |                                                                            |
| PV/Battery input high/low voltage protection | Yes                                                                        |
| PV/Battery reverse connection protection     | Yes                                                                        |
| Load overcurrent/short circuit protection    | Yes                                                                        |
| Temp protection                              | Yes (90°C)                                                                 |
| Operation Temperature                        | -10— +40                                                                   |
| <b>DIMENSIONS</b>                            |                                                                            |
| WxHxD (mm)                                   | 177x 238 x 73 mm                                                           |
| Weight                                       | 2.3 kg                                                                     |



- SunTrack regulator includes MPPT technology (MPPT= Maximum Power Point Tracking converting extra voltage in to charge current. Increases system efficiency by approximately 30%)

Available from 1-12-2019

