

eSmart3 series is the third generation of eSmart mppt controller, based on eSmart1, eSmart2 series mppt controller.



## Features

- 1.It has an efficient MPPT algorithm, MPPT efficiency  $\geq 99.5\%$  and converter efficiency up to 98%.
- 2.Charge mode: three stages (constant current, constant voltage, floating charge), it prolongs service life of the batteries.
- 3.Four types of load mode selection: ON/OFF, PV voltage control, Dual Time control, PV+Time control .
- 4.Battery system voltage automatic recognition.
- 5.Three kinds of commonly lead-acid battery (Seal\Gel\Flooded)types,parameter settings can be selected by the user,and the user can also self-defined some parameters for other battery type.
- 6.It has a current limiting charging function. When the power of PV is too large, the controller automatically keeps its Mat rated charging power, and the charging current will not exceed the rated value.
- 7.High definition LCD display function to check the device running data and working status, also can support modify the controller display parameter.
- 8.RS485 communication, we can offer communication protocol to convenient user's integrated management and secondary development.
- 9.Support PC software monitoring and WiFi module to realize APP cloud monitoring.
- 10.CE, RoHS, FCC certifications approved, we can assist clients to pass various certifications.
- 11.Two years warranty, and 2~10 years extended warranty service also can be provided.

# Off grid solar system CPU

