

# NPA-MAX2024P

## MAX series Solar Controller

- LCD display design, read operating data and working condition easily.
- Controller is protected against over-temperature due to built-in power reduction function.
- Automatic limit function of rated charging current.
- Lead-acid battery charging in four stages: fast charge, boost charge, equalization charge, float charge.
- PWM charging is programmable to prevent system failure caused by BMS.
- Short-circuit protection is programmable to prevent output shutdown when opening the capacitive or inductive loads.



## SPECIFICATIONS

| Item                      | NPA-MAX2024P                                                          |
|---------------------------|-----------------------------------------------------------------------|
| Max Charging Current      | 20A                                                                   |
| System Voltage            | 12/24V automatic recognition                                          |
| Max volt on Bat. terminal | 35V                                                                   |
| Battery Type              | Gel, AGM, Liquid, Lithium (default: Gel)                              |
| Fast Charging Voltage     | <14.5/29.0V@25 °C                                                     |
| Boost Voltage             | 14.0~14.8V/28.0~29.6V@25 °C (default: 14.5/29.0V)                     |
| Equalization Voltage      | 14.3~15.0V/28.6~30.2V@25 °C (default: 14.8/29.6V) (Liquid,, AGM )     |
| Output Current            | 20A                                                                   |
| USB interface             | 5V/2A                                                                 |
| Load mode                 | Always on(Default) , D2D, Optical time control mode, user manual mode |
| Dimensions                | 5.6*3.15*1.18in                                                       |
| Weight                    | 0.42lb                                                                |
| Grounding                 | Grounding Common Positive                                             |
| Power terminals           | 8AWG(10mm <sup>2</sup> )                                              |
| Ambient temperature       | -20~+50 °C                                                            |
| Storage temperature       | -25~+80 °C                                                            |
| Protection degree         | IP32                                                                  |
| Max Altitude              | 13123ft                                                               |



702-628-7600



sales@newpowa.com



www.newpowa.com



3633 Inland Empire Blvd, Ste 600, Ontario, CA 91764