

Charging regulator

XTRA1210N-XDS2 10A

Product code: R0114

10A
Rated current

MPPT
Type



FUNCTIONS

- Optimizes charging by tracking the maximum power point, increasing the efficiency of the photovoltaic system.
- Ensures stable and safe operation, especially when using oversized photovoltaic modules.
- Protects the system from overheating by adjusting the output power according to working conditions.
- Increases charging efficiency by converting excess voltage into higher current.
- Enables real-time monitoring and management of the photovoltaic system.

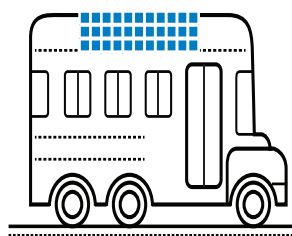
4sun®

TECHNICAL DATA

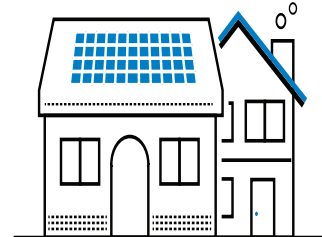
| INDEX | R0114 |
|---------------------------------|--------------------|
| MODEL | XTRA1210N-XDS2 |
| Nominal system voltage | 12/24VDC Auto |
| Battery type | Sealed/Gel/Flooded |
| Working voltage [V] | 8~32 |
| Rated charging current [A] | 10 |
| Rated discharge current [A] | 10 |
| Maximum PV circuit voltage [V] | 100 |
| Charging voltage [V] | 14,6 |
| Low-voltage cut-off voltage [V] | 11,1 |
| Connection voltage [V] | 12,6 |
| Own consumption | 12V≤30mA; 24V≤16mA |
| Efficiency | ≤95%, (N.C.) |
| Protection | IP33 |
| Warranty | 2 years |
| Equalisation voltage [V] | Sealed: 14,6 |
| Dimensions (L x W x H) [mm] | 175x144x50 |
| Weight (g) | 570 |
| Temperature range | -25°C~+50°C |

APPLICATION

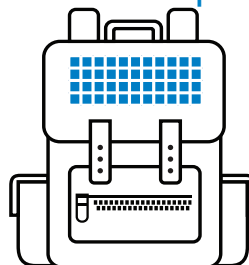
Solar Car



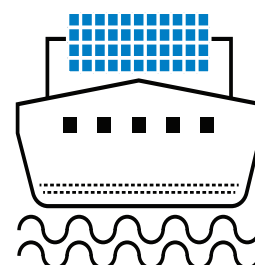
Solar Home



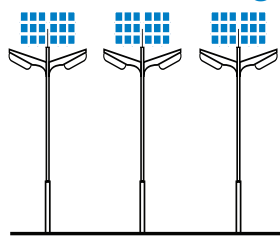
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

