

Charging regulator

XTRA4210N-XDS2 40A

Product code: R0121

40A

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.

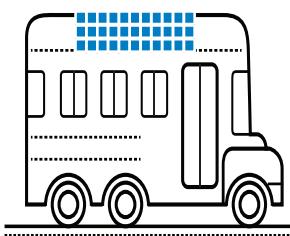
4sun

TECHNICAL DATA

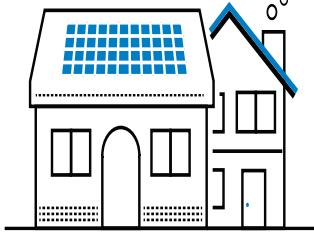
INDEX	R0121
MODEL	XTRA4210N-XDS2
Nominal system voltage	12/24VDC Auto
Battery type	Sealed/Gel/Flooded
Working voltage [V]	8~32
Rated charging current [A]	40
Rated discharge current [A]	40
Maximum PV circuit voltage [V]	100
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection voltage [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]	255x185x67,8
Weight (g)	1700
Temperature range	-25°C~+50°C

APPLICATION

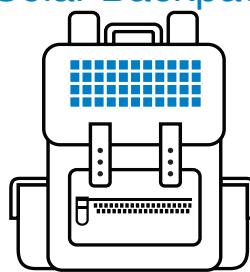
Solar Car



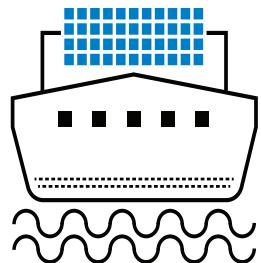
Solar Home



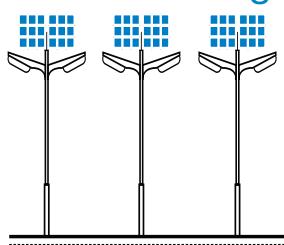
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

