

# Charging regulator

## SMR20-N5 20A

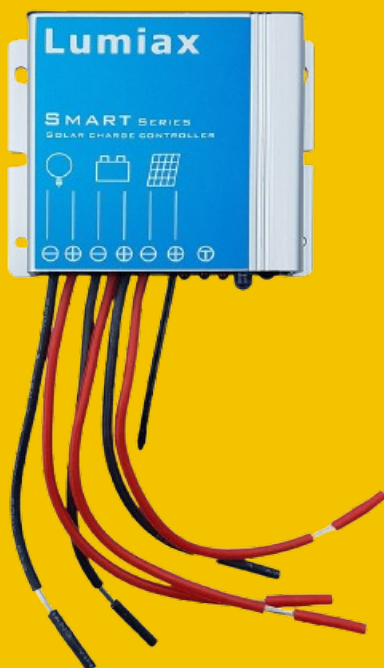
Product code: R0020

**20A**

Rated current

**PWM**

Type



### FUNCTIONS

- Programmable 5-stage timer, which allows precise management of load output, adjusting street lighting to changing conditions.
- Monitoring of operational status and parameters enables real-time control of the system's state and parameters, ensuring optimal performance.
- Automatic recognition of 12V/24V system voltage - the controller automatically adjusts to the system's voltage, increasing its versatility and ease of installation.
- IP67 waterproof rating and durable aluminum housing - provides resistance to harsh weather conditions, which is crucial for devices used in street lighting.

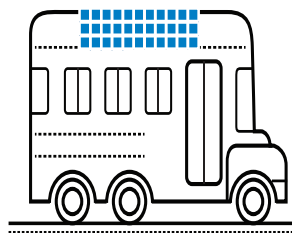
4sun®

### TECHNICAL DATA

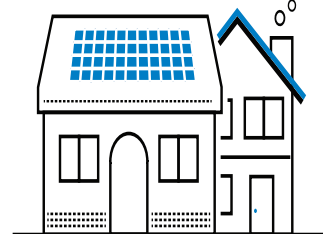
INDEX	R0020
MODEL	SMR20-N5 20A
Nominal system voltage	12/24VDC Auto
Battery type	Sealed/Gel/Flooded
Maximum battery voltage [V]	40
Rated charging current [A]	20
Rated discharge current [A]	20
Maximum PV circuit voltage [V]	25/50
Charging voltage [V]	14,6
Low-voltage cut-off voltage [V]	11,1
Connection voltage [V]	12,6
Own consumption	10mA
Wire diameter [mm <sup>2</sup> ]	4
Protection	IP67
Warranty	2 years
Ambient temperature	-35°C~+60°C
Dimensions (L x W x H) [mm]	82x68x18,6
Weight (g)	190
Maximum altitude [m]	4000

### APPLICATION

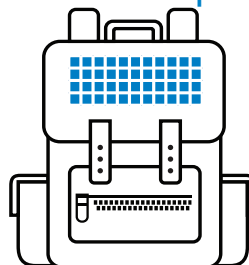
#### Solar Car



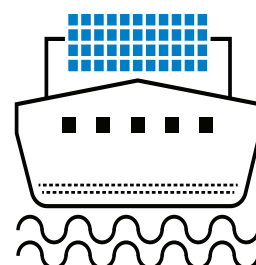
#### Solar Home



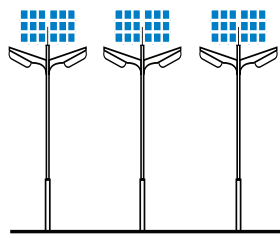
#### Solar Backpack



#### Solar Boat



#### Solar Street Light



#### Solar Power Generator

