

## Tracer BN series MPPT solar charge controller

**10A,20A,30A,40A 12/24V auto work**

Tracer-BN Series is a flagship member among all tracer MPPT controllers. We design with very long lifespan industrial materials and die-cast aluminum housing cooling system, to improve the controller's performance and life.

### Application



### Features:

- Peak conversion efficiency of 98%
- High tracking efficiency  $\geq 99.5\%$
- Die-cast aluminum design and nature cooling
- Diversified load control to meet different requirements
- Battery type selection: Sealed, Gel, Flooded and User(programmable)
- RS485 port with industrial standard MODBUS open architecture
- Real-time data monitoring and parameters setting with MT50, APP or PC software
- Field upgradable firmware

Model	Tracer1215BN	Tracer2215BN	Tracer3215BN	Tracer4215BN
Nominal system voltage	12/24V auto work			
Rated battery current	10A	20A	30A	40A
Rated load current	10A	20A	20A	20A
Max. PV open circuit voltage	150V at minimum operating environment temperature 138V at 25°C environment temperature			
Battery input voltage range	8~32V			
Max. PV input power	130W (12V)	260W (12V)	390W (12V)	520W (12V)
	260W (24V)	520W (24V)	780W (24V)	1040W (24V)
Self-consumption	$\leq 50\text{mA}(12\text{V}) \leq 27\text{mA}(24\text{V})$			
Grounding	Common negative			
Temp. compensation	$-3\text{mV}/^{\circ}\text{C}/2\text{V}$			
Communication port	RS485 / RJ45 interface			
Overall dimension	196x118x36mm	217x143x56mm	281x160x60mm	303x183x64mm
Net weight	0.9kg	1.5kg	2.3kg	2.9kg
Enclosure	IP30			
Working temperature	$-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$			