

# SUNBEAMSYSTEM

## MOONRAY SERIES

The new MoonRay MPPT charge controllers are fully optimized for use on yachts and RV's. They outperform every other type of MPPT in both perfect as well as 'real-life' weather conditions. So even when slightly clouded or with panels partially shadowed: MoonRay will put out the maximum possible charge.



WIDE SPECTRUM  
**MPPT**

ENHANCED FOR  
**SINGLE & FEW**  
SOLAR PANELS

IMPROVED  
**LOW LIGHT**  
CHARGE

### MOONRAY SERIES: DEVELOPED & TESTED FOR REAL LIFE WEATHER



IP33 DRIPPING WATER PROTECTION



LOW SELF CONSUMPTION  $\leq 12\text{mA}$



ADAPTABLE FOUR STEP CHARGE ALGORITHM



INTELLIGENT & EFFECTIVE MPPT FUNCTION



ALLOWANCE FOR SINGLE PANELS AND SHADING



RELIABLE HIGH QUALITY COMPONENTS

### OPTIMIZED FOR SINGLE & PARALLEL SOLAR PANEL SYSTEMS

Most MPPT charge controllers require solar panels to be put in series to utilize their full potential. Only, most users won't have enough space available for such a setup. Furthermore, when put in series, the output will be less in an environment with partial shadows compared to connecting the same panels in parallel.

With MoonRay these outdated limitations belong to the past. It is constructed to make optimal use of single panels and panels connected in parallel but also supports 24V systems. The controller will maximize the output of any modern solar panel (no matter the brand) during daily sunlight variations. Combine MoonRay with our Shadow Optimized models and you have the most versatile solar setup possible.



### CONTROL EVERYTHING WITH OUR ANDROID & IOS APP

With the optional Bluetooth module, you gain full control of your system with the SUNBEAMsystem app. Not only does it feature real-time data at your hand, it also allows you to stack multiple MoonRay controllers in a single overview. Any SMART LITHIUM batteries installed in the system will automatically be included, allowing you to review the full system from the palm of your hand.