

# Helios

PWM Solar Charge Controller

**24V/48V**

**1 YEAR WARRANTY**

**10A - 60A  
PWM  
CONTROLLER**



## HELIOS - PWM

MODEL	ET-5005-10/24, ET-5005-20/24, ET-5005-30/24, ET-5005-40/24, ET-5005-50/24, ET-5005-60/24	ET-5005-30/48, ET-5005-40/48, ET-5005-50/48, ET-5005-60/48
System Voltage	12V/24V	12V/24V/48V
PV Max Input Voltage	55V	100V
Self Consumption	<10mA	
Max Charging Current	10A/20A/30A/40A/50A/60A	30A/40A/50A/60A
Max Discharging Current	10A/20A/30A/40A/50A/60A	30A/40A/50A/60A
Battery Type	Sealed/ GEL/ FLD/ Lithium	
LVD	11.0V (9V-12V), x2/24V, x4/48V	
LVR	12.6V (11V-13.5V), x2/24V, x4/48V	
Float Voltage	13.8V (13V-15V), x2/24V, x4/48V	
Boost Voltage	14.4V (13V-17V), x2/24V, x4/48V Battery <12.6V, auto boost 2 hours	
Battery Over Voltage Protection	16.5V, x2/24V, x4/48V	
Reverse Connection Protection	YES	
Load Over Current Protection	Yes, Each 30s auto restart	
Controller Over Temperature Protection	YES	
Charging Type	PWM	
Temperature Consumption	-24mV/°C for 12V system, x2/24V, x4/48V	
Working Temperature	-20°C~55°C	
Waterproof Grade	IP32	