

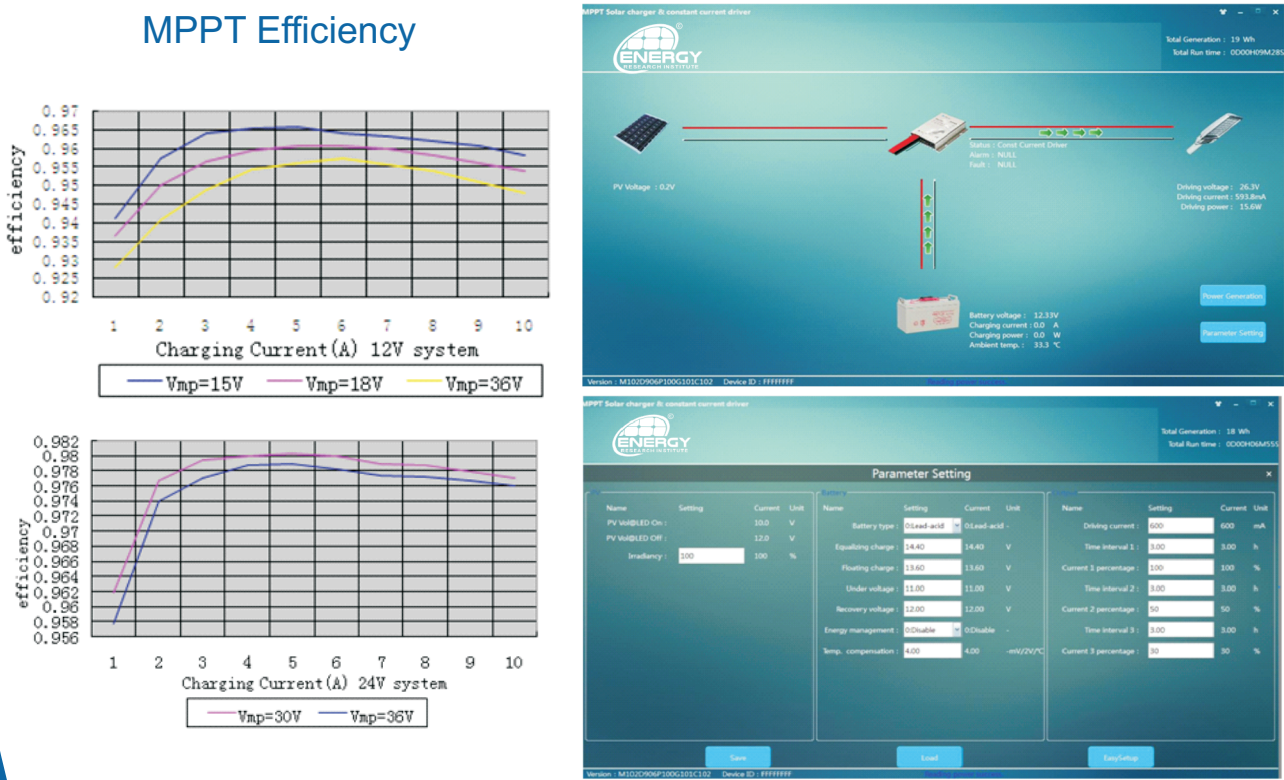
TECHNICAL DATA

MODEL	ERI-10MSCC		
System Voltage	12/24V Auto Recognition	Communization	IRDA
Max. Charge /Load Current	10A	Temperature Compensation	-4mV/C . 2V
Max. MPPT Efficiency	99%	Self-consumption	5-10mA
MPPT Tracking Range	15<Vp<45(12V) 30<Vn<45(24V),	Day/night Detect Voltage	day:>6V; night: <5V
Max. Solar Open-circuit voltage	55V	Day/Night Detect Delay	3min
Float Charge	13.6(12V), 27.2 (24V) 25 C)	Operating Temperature	-30 ~ +60 C
Equalization Charge	14.4 (12V), 28.8 (24V)	Max. Altitude	4000m above sea level
Load Disconnect	11/22V	Dimension	130*82*20mm
Load Reconnect	12/24V	Weight	350g
Over-charge Protection	16/32V	Protection Degree	Ip68 (1.5m, 72h)

FEATURES:

- MPPT efficiency ≥99.9%.
- Parameter could be set and viewed through wireless infrared communication.
- 3 stages of charging: MPPT charge, Equalization charge and float charge.
- Self Consumption ≤ 4mA
- Protect functions: reverse polarity (battery or solar panel), over-charge, over-discharge, over load and short circuit.
- Waterproof Degree: IP68.
- Use Non-aluminum electrolytic capacitor extends battery life.
- MPPT efficiency≥99.9%, system efficiency is up to 98%. This maximizes solar panel poweroutput & reduces system costs.
- Infrared wireless communications connect with a easy to install IRDA USB remote control.
- Intelligent energy management of the battery ensures that the battery charges & dischargesfrom full to shallow state which significantly extends the battery life

MPPT Efficiency



Energy Research Institute B.V.
ERI-10MSCC
MPPT Solar Charge Controller

