

02

MPPT 99% PWM 30 60 3 RS232 MPPT SMART

03

- MPPT 99% PWM 30 60
- DC12V / 24V / 48V
- DC12V / 24V / 48V DC100V PV
- 3 MPPT
- PV
- 4
- PV
- RS232
- 
- CE RoHS
- 2 3 10

04

MPPT I-P-E-SMART-12V / 24V / 48V	20A
MPPT	
MPPT	
DC12V / 24V / 48V	
12V	DC9V DC15V
24V	DC18V DC30V
48V	DC36V DC60V
12V / 24V / 48V	≤3S
12V / 24V / 48V	500US
MPPT	≥96.5% ≤99%

MPPT	12V	DC14V
	24V	DC30V
	48V	DC60V
MPPT	12V	DC14V
	24V	DC30V
	48V	DC60V
MPPT	12V	DC18V
	24V	DC34V
	48V	DC65V
MPPT	12V / 24V / 48V	DC110V
MPPT	12V / 24V / 48V	DC100V
MPPT	12V	284
	24V	568
	48V	1136

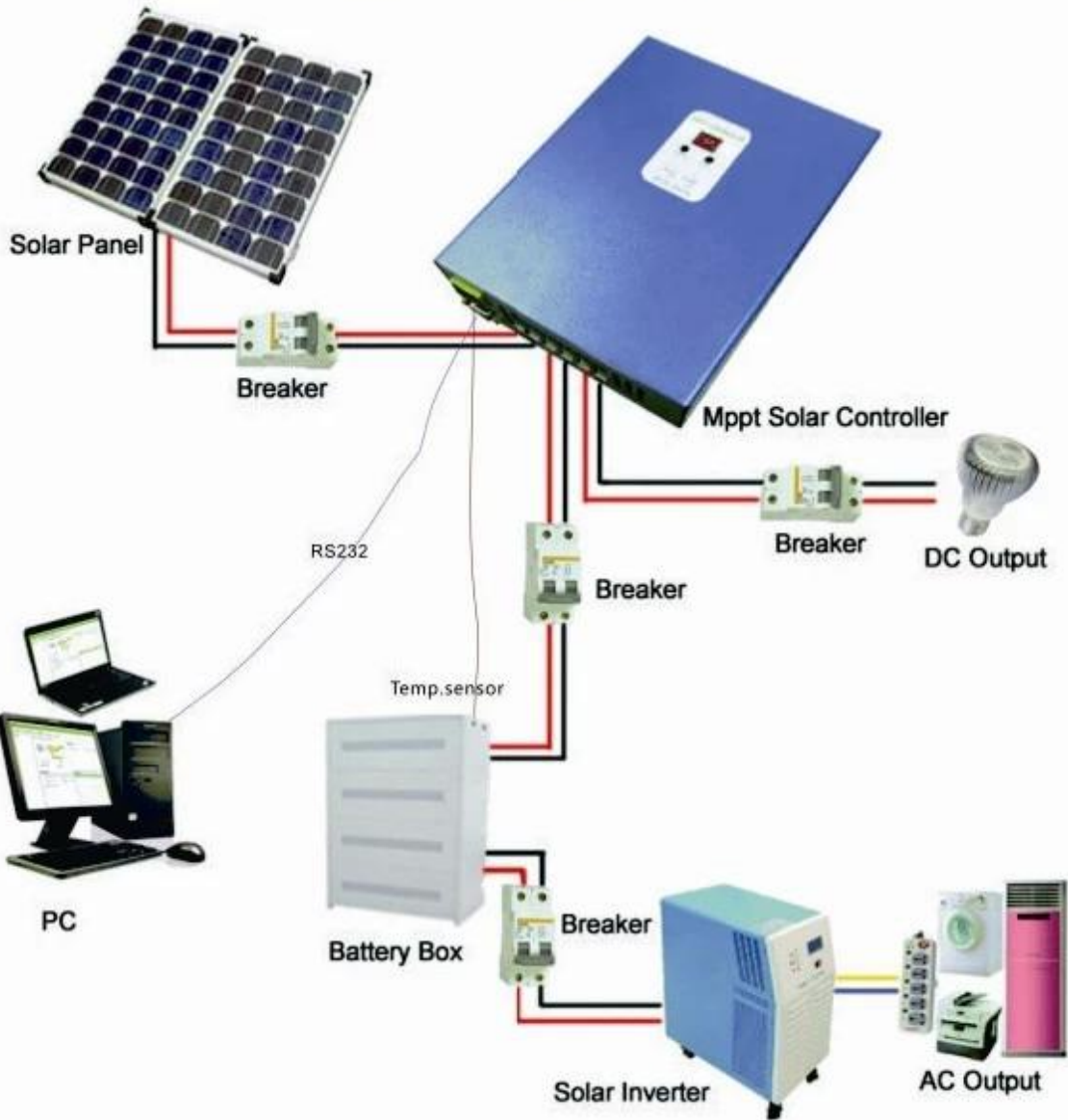
**CHARGE CHRECTRESTICS**

MPPT	12V / 24V / 48V	NiCd
MPPT	12V / 24V / 48V	
MPPT	12V / 24V / 48V	
MPPT	12V / 24V / 48V	20A
MPPT	12V / 24V / 48V	25A
MPPT	12V / 24V / 48V	±0.02/°C
MPPT	12V / 24V / 48V	14.2V- 25°C* 0.3
MPPT	12V / 24V / 48V	200mV
MPPT	12V / 24V / 48V	≤±1.5
MPPT		
MPPT		10.5V; 11V
MPPT		30A
MPPT		PV
MPPT		
MPPT		
MPPT		
MPPT		LOAD
MPPT		RS232
MPPT		
MPPT		
MPPT		
MPPT		

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□□□	≤40dB
□□□□□□	□□□□□□□□□□ □□□ □□
□□□□□□□□	EU□□□□□□□□□□ □□□
□□	FCC \ ROHS \ CE
□□□□□□	
□□D×□×H□mm□□	205 * 168 * 60
□□□□□□□□□□D×□×H□mm□□	265 * 196 * 110
N.G□KG□	1.8□□
G.N□KG□	2□□
□□□□□□□□□□	IP25
□□	
□□	0□90□RH□□□□□□
□□	0□3000□□□□□
□□□□	-20°C□+ 50°C
□□□□	-40°C□+ 75°C
□□□	70□□106kPa□□□

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# I-P-ESmart-Swries System







**MPPT Solar Charge Controller**

Adopting Advanced MPPT Technology  
High Conversion Efficiency  
Rs232 Port



CEFC®

**HIGH-END QUALITY**  
**SOLAR CHARGE CONTROLLER**

CEFC®