



02

MPPT MPPT PWM 30 60 3 RS232 MPPT SMART

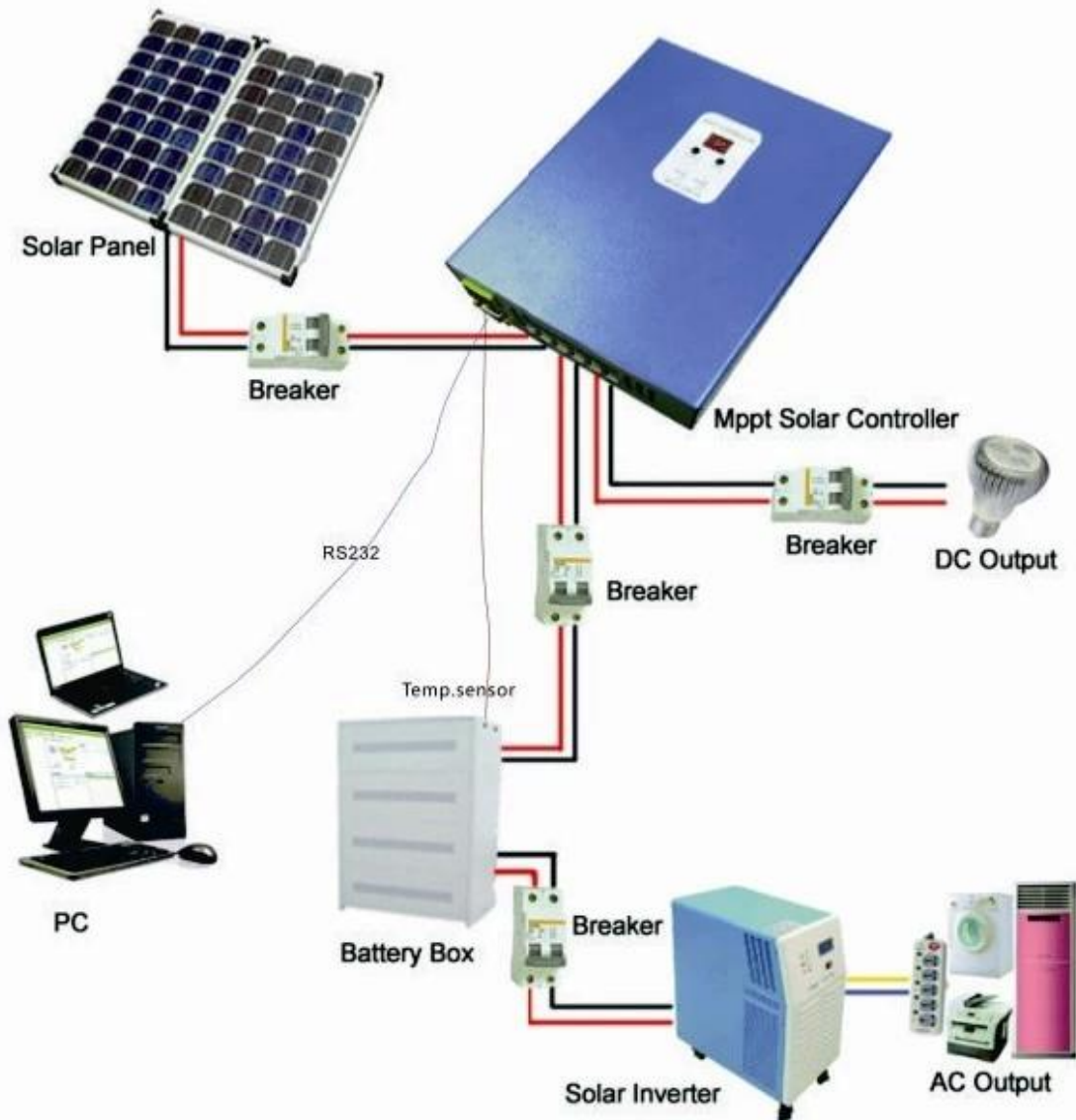
03

1. MPPT 99 PWM 30 60
2. DC12V / 24V / 48V
3. DC12V / 24V / 48V DC100V PV
4. 3 MPPT
5. PV
6. 4
7. PV
8. RS232
- 9.
10. CE RoHS
11. 2 3 10

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MPPT□□□□□□□□□□□□□□□□ I-P-E-SMART-12V / 24V / 48V□□□□□		30A
□□□□	MPPT□□□□□□□□□□	
□□□□	□□□□□□□□MPPT□□□□□□□□□□	
□□□□□□□□	DC12V / 24V / 48V	□□ □□
□□□□	12V□□□□	DC9V□DC15V
	24V□□□□	DC18V□DC30V
	48V□□□□	DC36V□DC60V
□□□□□□□□□□	12V / 24V / 48V □ □□□	≤3S
□□□□ □□□□□□	12V / 24V / 48V □ □□□	500US
MPPT□□	12V / 24V / 48V□ □□□	≥96.5□□≤99□
□□□□		
MPPT□□□□ □□□□□□	12V□□□□	DC14V□DC100V
	24V□□□□	DC30□DC100V
	48V□□□□	DC60□DC100V
□□□□□□ □□□□□□□□	12V□□□□	DC14V
	24V□□□□	DC30V
	48V□□□□	DC60V
□□□□□□ □□□	12V□□□□	DC18V
	24V□□□□	DC34V
	48V□□□□	DC65V
□□□□□□ □□□□□□□□□□	12V / 24V / 48V □ □□□	DC110V
□□□□□□ □□□□□□□□□□	12V / 24V / 48V □ □□□	DC100V
□□□□□□□□□□	12V□□□□□□W□	426
	24V□□□□W□	852
	48V□□□□□□W□	1704
CHARGE CHRECTRESTICS		
□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□ □□□	12V / 24V / 48V□ □□□	□□□□□□□□ □□□□□□□□NiCd□□ □□□□□□□□ □□□□□□□□□□□□□□□□□□
□□□	12V / 24V / 48V□ □□□	□□□□□□□□ □□□□□□□□□□□□□□□□□□
□□□□ □□	12V / 24V / 48V□ □□□	
□□□□□□□	12V / 24V / 48V□ □□□	30A
□□□□□ □□	12V / 24V / 48V□ □□□	35A
□□ □□	12V / 24V / 48V□ □□□	±0.02□/°C
□□□□	12V / 24V / 48V□ □□□	14.2V-□ □□□□25°C□* 0.3
□□ □□□□□□□□□□	12V / 24V / 48V□ □□□	200mV□

I-P-ESmart-Swries System





Certificate Of Compliance

Certificate Number: UNI2014041001EC-1

Applicant : Shenzhen I-Panda New Energy Technology & Science Co., Ltd.
Bolck H, Juyin Technology Industrial Park, Buji Street, Longgang District,
Shenzhen, China.

Manufacturer : Shenzhen I-Panda New Energy Technology & Science Co., Ltd.
Bolck H, Juyin Technology Industrial Park, Buji Street, Longgang District,
Shenzhen, China.

Product : MPPT SOLAR CHARGER CONTROLLER

Trade Name : I-PANDA

M/N : SMART 60A, SMART10A, SMART 15A, SMART 20A, SMART 25A,
SMART 30A, SMART 40A, SMART 50A

Test Standard: EN55022:2010
EN55024:2010
(EN61000-4-2:2009, EN61000-4-3:2006+A2:2010)

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC Directive 2004/108/EC. It is possible to use CE marking to demonstrate the compliance with EMC Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: UNI2014041001ER-1.

2014-04-10

Date of issue



United testing technology (Hong Kong) Limited
Unit 04,7/F, Bright Way Tower, No.33 Mong Kok Road, Kowloon, HK.
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Shahe Road, Nanshan District, Shenzhen, PRC.
Tel:+86-755-86180998 Fax:+86-755-86180158
<http://www.uni-lab.hk> E-mail:hofferlau@uni-lab.hk



FCC VERIFICATION of CONFORMITY

Certificate Number: UNI2014041001FC-1

We herewith confirm the following designated product:

MPPT SOLAR CHARGER CONTROLLER

Trade Name: I-PANDA

MODEL Number:

**SMART 60A, SMART10A, SMART 15A, SMART 20A, SMART 25A,
SMART 30A, SMART 40A, SMART 50A**

(Product Identification)

has been tested and found in compliance with the requirements of 47 CFR PART 15 regulation & ANSI C63.4 for the evaluation of Class A of electromagnetic compatibility. It is only valid in connection with the test report number: UNI2014041001FR-1.

This device complies with Part 15 of the FCC rules, operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

(Identification of regulations/standards)

This declaration is the responsibility of the manufacturer/importer

**Shenzhen I-Panda New Energy Technology & Science Co., Ltd.
Bolck H, Juyin Technology Industrial Park, Buji Street, Longgang
District, Shenzhen, China.**

(Name /Address)

MANUFACTURER / IMPORTER

TEST LABORATORY



This is the results of test that was carried out by UNI. from the submitted type samples of the product is in conformity with the specification of the respective standards.

The certificate holder has the right to fix the FCC-mark on the product conforming with the required rules.



Name

2014-04-10

Date

Date of issue

United testing technology (Hong Kong) Limited
Unit 04,7/F,Bright Way Tower,No.33 Mong Kok Road, Kowloon, HK.
4 F, Unit 2, Jianxing Building, Chaguang Industry Area, West
Shahe Road, Nanshan District, Shenzhen, PRC.
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<http://www.uni-lab.hk> E-mail:hofferlau@uni-lab.hk





Certificate Of Compliance

Certificate Number: UNI2014041001RC-1

Applicant : Shenzhen I-Panda New Energy Technology & Science Co., Ltd.
Bolck H, Juyin Technology Industrial Park, Buji Street, Longgang District,
Shenzhen, China.

Manufacturer : Shenzhen I-Panda New Energy Technology & Science Co., Ltd.
Bolck H, Juyin Technology Industrial Park, Buji Street, Longgang District,
Shenzhen, China.

Product : MPPT SOLAR CHARGER CONTROLLER

Trade Name : I-PANDA

Model Number : SMART 60A, SMART10A, SMART 15A, SMART 20A, SMART 25A,
SMART 30A, SMART 40A, SMART 50A

Test Standard: IEC62321:2013

The EUT described above has been consolidated by us and found in compliance with the council
RoHS Directive 2011/65/EU. It is only valid in connection with the test report number:
UNI2014041001RR-1.

2014-04-10

Date of issue



RoHS

United testing technology (Hong Kong) Limited
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