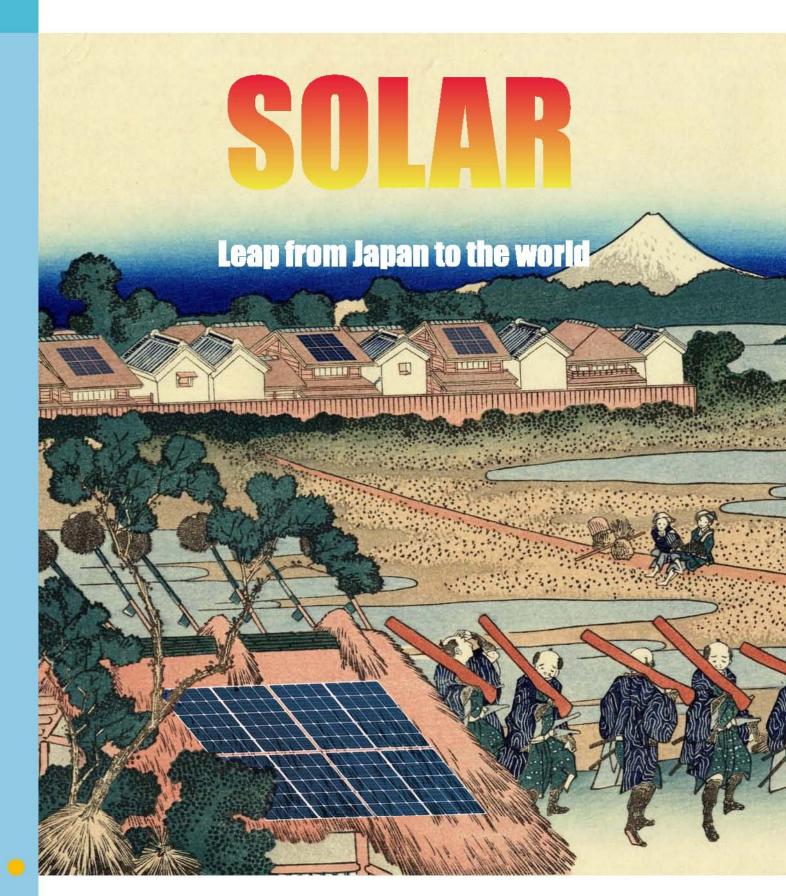


# Catalogue 2817-2018





# Leap from Japan to

Leapton Solar, headquartered in Kobe, Japan. is an integrated photovoltaic company focusing on PV cells, modules,



Leapton Engineering Technology (Shanghai) Co., Ltd.



info@leaptonenergy.com Tel: +8621-53089708 Fax: +8621-53080709

# PV Module Manufacturer

Leapton Solar (Changshu) Co.,Ltd

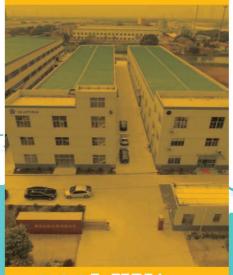


600MW/year

Cell: 200MW/year

# PV Mounting Manufacturer

Leapton Metal (Suzhou) Co., Ltd.



500MW/year



# the world

mounting and power system R&D, production and sales.

The manufacture plant is located in Jiangsu, China. It has a pioneering professional photovoltaic R&D team with a full set of the best automatic production line in the world, manufacturing large-scale superior quality products.

Leapton Solar has focused on high-quality products design and system integration, and relied on scientific management and professional high-tech R&D, whose annual production capacity has reached 200 MW of PV Cells, 600 MW of PV Module, 500 MW of Ground Screw and 500 MW of PV Mounting System.

Leapton Solar's products include PV Modules, PV Mounting, Ground Screw, Inverter and Junction Boxes, etc. Leapton Solar devotes itself to providing residential and commercial users with a full range of services for PV system, such as site visit, measurement and calculation, project design, installation and after-sales service.

Leapton Solar's marketing network has spread across Japan, from Hokkaido to Kyushu, Okinawa. In addition, Leapton Solar has set up the logistics warehouses in Kanto, Kansai and central Japan, establishing a high- efficient logistics distribution system. With strong technical support and strict quality control, our products have approved by TUV, PID, Chemitox, JET and other international authorized certification.

Apart from quality assurance of our own company, we also choose to cooperate with professional insurance corporations to guarantee our client's maximum benefits. Our products are insured by natural disaster insurance of Mitsui Sumitomo Insurance, product quality insurance of China Pacific Insurance, third party liability insurance of Sun Alliance Insurance.

Leapton Solar begins to develop solar power project since 2014 and has built its own power plants in Japan.

Leapton Solar is committed to providing sustainable energy solution to build harmonious and clean living environment for our mankind.



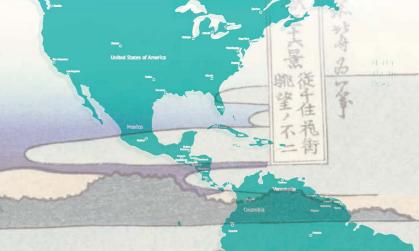
Japan Leapton Energy Co., Ltd.



Tokyo

Japan Leapton Energy Co., Ltd.







# **LEAPING PENTAD**

Leapton Energy Co.,Ltd is established in Kobe, Japan. Leapton Engineering Technology(Shanghai) Co.,Ltd is established in Shanghai, china.

TÜV SÜD authentication.

PID test(Chemitox).

JET fire authentication

PL insurance
TÜV PID authentication.
Mitsui Sumitomo insurance
J-PEC certified(The intrduction of photovoltaic power generation for the housing).

Leapton Energy Co.,Ltd,Tokyo branch is established in Tokyo, Japan.

Japan Photovoltaic Energy Association (JPEA) on admission.

Intertek salt spray corrosion resistance test.

JETPVm authentication in polycrystalline.

Leapton begins to develop solar power

projectand has built its own power plants in Japan.

2015 Launches 200MW PV cell manufacturing, Launches 300MW PV module manufacturing,

Leapton Metal(Suzhou) Co.,Ltd is established in Suzhou, China. Launches 500MW PV mounting manufacturing.

Leapton Solar(Changshu) Co.,Ltd is established in Changshu, China. Launches 600MW PV module manufacturing.

Jiangsu, China



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  - LP156x156-M-72 Monocrystalline Module
  - LP156x156-P-60 Polycrystalline Module
  - P156x156-P-72 Polycrystalline Module
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  - 9-10 MRA1RF2 Tile Roof Aluminum Mounting System
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# Monocrystalline Polycrystalline



# P156x156-M-60

**Rated Power 280-295W** 







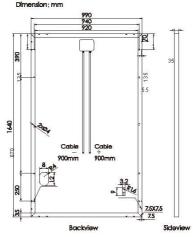












■ Product Series		LP156*156-M-60	
	285W	290W	295W
Open Circuit Voltage	38.09V	38.20V	38.29V
Short Circuit Current	9.62A	9.75A	9.88A
Maximum Power Voltage	31.08V	31.18V	31.28V
Maximum Power Current	9.17A	9.30A	9.43A
Module Efficiency	17.6%	17.9%	18.2%

#### ■ Product Characteristics

Weight	18.0kg	Junction Box	IP67
Module Size	1640*990*35mm	Frame	Aluminum Alloy
Cell Amount	60 pcs of monocrystalline	Cable	4mm², Length>900mm
Cell Size	156*156mm	Connection	(Compatible with) MC4
Maximum System Voltage	1000V	Application Level	Class A

■Temperature Characteristics		■ Maximum Ratings	
NOCT	45±2°C	Output Tolerance	0~+3%
Temperature Coefficient of Short Circuit Current	+0.06%/°C	Operating Temperature	-40°C~+85°C
Temperature Coefficient of Open Circuit Voltage	-0.3%/°C	Wind Load / Snow Load	2400pa/5400pa
Temperature Coefficient	-0.4%/°C	Fuse Current	15A





- · 10-YEAR90%Maximum Output
- · 25-YEAR80%Maximum Output



· J-PEC Product



· Salt Spray Certificate · Ammonia Certificate IEC61701 IEC62716

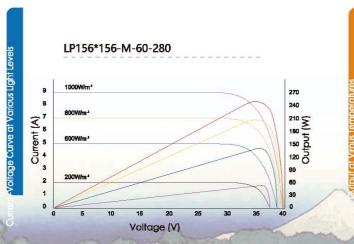


€ TÜV PID Certificate



- · TÜV Certificate · IEC61215:2016
- · IEC61730:2016

· Maximum System Voltage



Standard Short Circuit Current, Open Circuit Voltage and Maximum Power (%) Isc Voc Temperature of Cells (°C)

LP156\*156-M-60-280

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Chuo-ku, Kobe-shi,
Hyogo 650-0025, Japan

Leapton Solar (Changshu) Co.,Ltd.

No.55, Sunshine Avenue, Changshu City, Jiangsu, China



# LP156x156-M-72

**Rated Power 330-340W** 











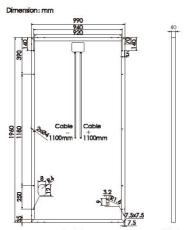
17.01%

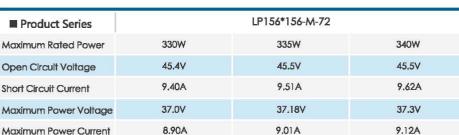






17.5%





17.3%

#### ■ Product Characteristics

Module Efficiency

Weight	21.5kg	Junction Box	IP67
Module Size	1 <b>960*990*40</b> mm	Frame	Aluminum Alloy
Cell Amount	72 pcs of monocrystalline	Cable	4mm², Length>900mm
Cell Size	156*156mm	Connection	(Compatible with) MC4
Maximum System Voltage	1000V	Application Level	Class A

■Temperature Characteristics		■Maximum Ratings	
NOCT	45±2°C	Output Tolerance	0~+3%
Temperature Coefficient of Short Circuit Current	+0.06%/°C	Operating Temperature	-40°C~+85°C
Temperature Coefficient of Open Circuit Voltage	-0.3%/°C	Wind Load / Snow Load	2400pa/5400pa
Temperature Coefficient of Maximum Power	-Q 40%/°C	Fuse Current	15A





- · 10-YEAR90%Maximum Output
- · 25-YEAR80%Maximum Output



· J-PEC Product



· Salt Spray Certificate · Ammonia Certificate IEC61701 IEC62716

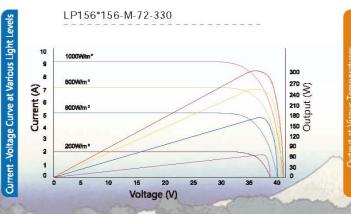




- · TÜV Certificate · IEC61215:2016
- · IEC61730:2016

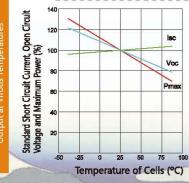


· Maximum System Voltage



**PV Medule Manufacturer** Leapton Solar (Changshu) Co., Ltd.

No.55, Sunshine Avenue, Changshu City, Jiangsu, China



LP156\*156-M-72-330

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Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025, Japan



# **LP156x156-P-60**

**Rated Power 265-275W** 















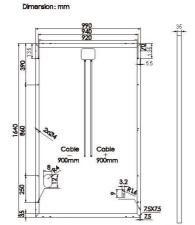


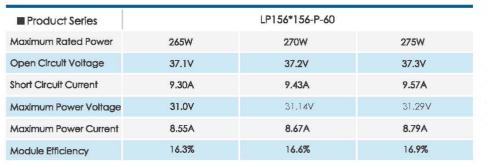












#### ■Product Characteristics

Weight	18.0kg	Junction Box	IP67
Module Size	1640*990*35mm	Frame	Aluminum Alloy
Cell Amount	60 pcs of polycrystalline	Cable	4mm², Length≥1100mm
Cell Size	156*156mm	Connection	(Compatible with) MC4
Maximum System Voltage	1000V	Application Level	Class A

■Temperature Characteristics		■Maximum Ratings	
NOCT	45±2°C	Output Tolerance	0~+3%
Temperature Coefficient of Short Circuit Current	+0.06 <b>%/°C</b>	Operating Temperature	-40°C~+85°C
Temperature Coefficient of Open Circuit Voltage	-0.3 %/°C	Wind Load / Snow Load	2400pa/5400pa
Temperature Coeffcient of Maximum Power	-0.40 <b>%/°C</b>	Fuse Current	15A





- · 10-YEAR90%Maximum Output
- · 25-YEAR80%Maximum Output



· J-PEC Product



· Salt Spray Certificate · Ammonia Certificate IEC61701 IEC62716

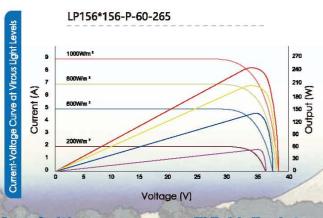


🕞 TÜV PID Certificate



- · TÜV Certificate
- · IEC61215:2016 · IEC61730:2016

· Maximum System Voltage



Standard Short Circuit Current, Open Circuit Voltage and Maximum Power (%) lsc Voc Temperature of Cells (°C)

LP156\*156-P-60-265

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Leapton Solar (Changshu) Co.,Ltd.

No.55, Sunshine Avenue, Changshu City, Jiangsu, China



# **LP156x156-P-72**

**Rated Power 320-330W** 











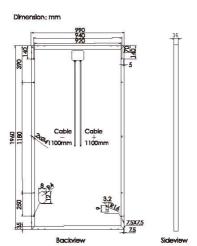


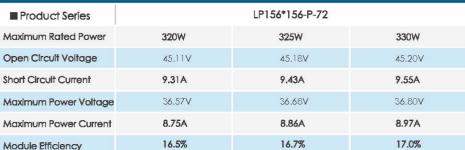












#### ■Product Characteristics

Weight	21.5kg	Junction Box	IP67
Module Size	1960*990*40mm	Frame	Aluminum Alloy
Cell Amount	72 pcs of polycrystalline	Cable	4mm², Length>1100mm
Cell Size	156*156mm	Connection	(Compatible with) MC4
Maximum System Voltage	1000V	Application Level	Class A

■Temperature Characteristics		■Maximum Ratings	
NOCT	45±2°C	Output Tolerance	0~+3%
Temperature Coefficient of Short Circuit Current	+0.06%/°C	Operating Temperature	-40°C~+85°C
Temperature Coefficient of Open Circuit Voltage	-0.3%/°C	Wind Load / Snow Load	2400pa/5400pa
Temperature Coeffcient of Maximum Power	-0.40%/°C	Fuse Current	15A





- · 10-YEAR90%Maximum Output
- · 25-YEAR80%Maximum Output



· J-PEC Product



· Salt Spray Certificate · Ammonia Certificate IEC61701 IEC62716

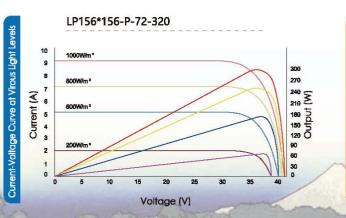


🕞 TÜV PID Certificate



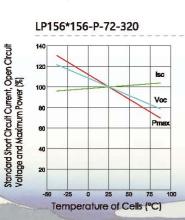
- · TÜV Certificate · IEC61215:2016
- · IEC61730:2016

· Maximum System Voltage



Leapton Solar (Changshu) Co., Ltd.

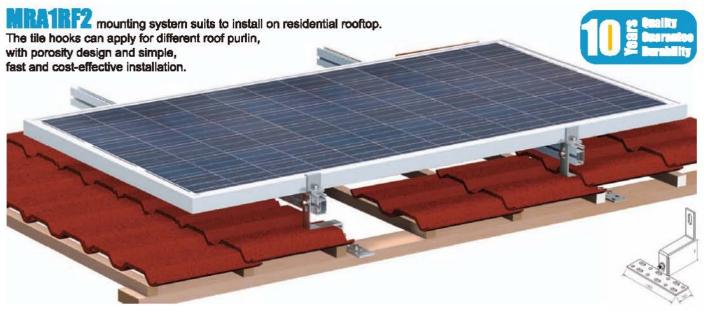
No.55, Sunshine Avenue, Changshu City, Jiangsu, China

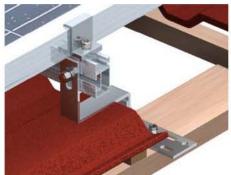


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Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

















# **Technical Parameters:**

1.Material: Aluminum Alloy AL6005-T5 2.SUS 304 Fasteners 3.Standard Wind Load:35m/s Max Wind Load:42m/s 4.Standard Snow Load:1200mm 5.High Strengthen Al6005-T5 Aluminum Alloy 6.Solar Module sizes:31/32/35/38/40/45/46/50 7.Design Standard:JISC8955-2017

# **Main Parts**



Longton Energy Co., Ltd.

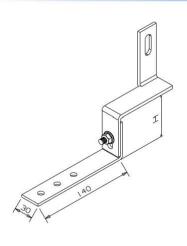
Tosei Bldg.6F,1-2-1,Aloi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan PV Mounting Manufacturer Leanten Moial (Support Co. Ltd.

No.28,Daguanlou Road,Zhoushl Town, Kunshan,Jiangsu, China



# MRA1-RF2 **Tile Roof Mounting System**

## **Derivative Product**







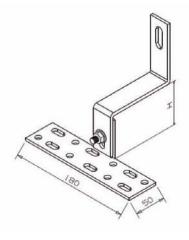
**Parameter** A816 Height 177-253mm



**Parameter** A822 Height 75-90mm



**Parameter** A804 Height 55-75mm







**Parameter** A811 Height 45mm





**Parameter** A820 Height 75-95mm



**Parameter** Height 45mm



**Parameter** Height 65-85mm

Leapton Energy Co., Ltd.

BEAD OFFICE Kebo, JAPAN
Tosei Bldg.6F,1-2-1,Aioi-cho,
Chuo-ku,Kobe-shi,
Hyogo 650-0025,Japan

Sounting Manufacturer pton Motal (Suzbou) Co.,Ltd.

No.28, Daguanlou Road, Zhoushi Town, Kunshan, Jiangsu, China





# **Main Parts**



gamcor

Tosei Bidg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

No.28, Daguaniou Road, Zhoushi Town, Kunshan, Jiangsu, China

info@leaptonenergy.com

7.Design Standard: JISC8955-2017

# MRA2-RD Tin Roof Mounting System

# **Derivative Product**













Pill-tile Clamp AR01



End Clamp A840



Pill-tile Clamp AR02



Clamp Kit A940



Clamp CR01



Hex Bolt Set A345



Clamp CR02



Hex Bolt Set A345



Clamp Kit ZL01



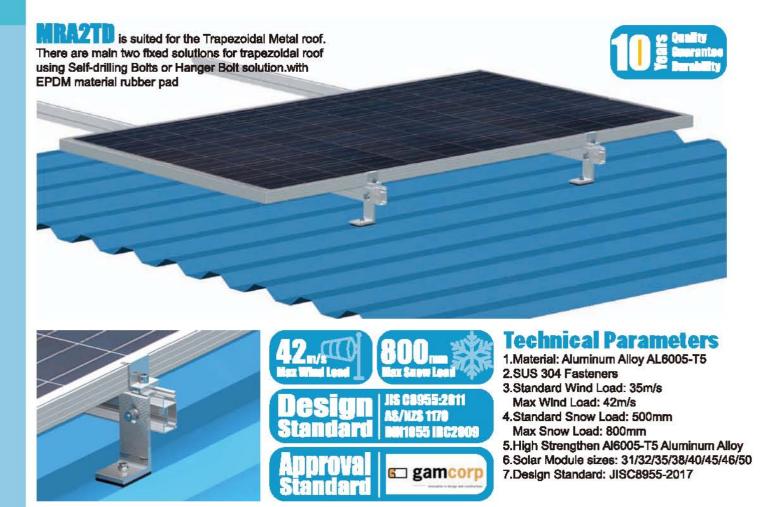
Hex Bolt Set A345

Leagton Energy Co., Ltd. WEAD OFFICE, Kobo, JAPAN

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan PV Mounting Manufacturer Leapton Motal (Suzhou) Co., Ltd.

No.28, Daguanlou Road, Zhoushi Town, Kunshan, Jlangsu, China







League Energy Co., List MEAN OFFICE, Kobo, MPAN

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan PV Mounting System Manufacturer Leapton Metal Ishuzhou) Co., Ital.

No.28, Daguanlou Road, Zhoushi Town, Kunshan, Jiangsu, China

# MRA2-TD **Tile Roof Mounting System**

# **Derivative Product**











L-feet(With Rubber Pad) AS45

Self-driling Screw

T Bolt Set A330











L-feet 6FL0045A

Hanger Bolt AJ20 M10X200

T Bolt Set A330





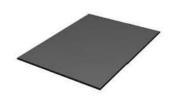


Clamp Kit 45L0100A

Clamp Kit AB40







U Rail 31

Self-driling Screw

Rubber Pad

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

No.28, Daguaniou Road, Zhoushi Town, Kunshan, Jlangsu, China



# MRA3-A5

**Flat Concrete Roof Mounting System** 















# **Technical Parameters**

- 1.Material: Aluminum Alloy AL6005-T5
- 2.SUS 304 Fasteners
- 3.Standard Wind Load: 35m/s Max Wind Load: 42m/s
- Max Wind Load: 42m/s 4.Standard Snow Load: 500mm
- Max Snow Load: 800mm
- 5.Angle can be 15 20 25 degree. Accept customised design.
- 6.Solar Module sizes:31/32/35/38/40/45/46/50
- 7.Design Standard: JISC8955-2017

# **Main Parts**



. .







Leg D5LXXXXA

Base D6L0050A

Clamp Kit 59L0050A

End Clamp A840

Mid Clamp A740

Leapton Energy Co., Ltd. NEAD OFFICE Rate DEPART

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan PV Mounting System Manufacturer
Legator Matel (shurbor) Se. Ltd.

No.28, Daguanlou Road, Zhoushi Town, Kunshan, Jiangsu, China



# MRA3-A6

# **Flat Concrete Roof Mounting System**

RA3A6 is suited for flat concrete rooftop with concrete ballasts. Lightweight design ,flexible and quick installation and convenient transportation.













JIS C8955:2011 AS/NZS 1170 H1055 IRC2009





## **Technical Parameters**

- 1.Material: High Strengthen Al6005-T5 Aluminum Alloy
- 2. Fixed Angle: 5±3degree /10±3 degree,
- 3.Standard Wind Load:30m/s Max Wind Load:42m/s
- 4.Standard Snow Load:1200mm
- 5. Solar Module sizes: 31/32/35/38/40/45/46/50
- 6.Design Standard:JISC8955-2017

# Main Parts











U-Type Bolt

Bottom Beam CRA0190A

Front Draw Bar CRA0504A

Rear Draw Bar CRA0505A Clamp KitA340

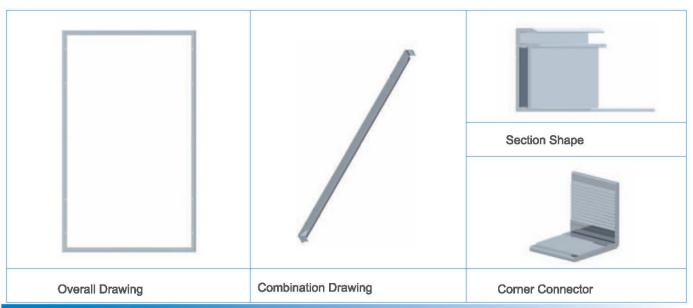
Column Bracing 5HL0870A

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

No.28, Daguaniou Road, Zhoushi Town, Kunshan, Jiangsu, China



# Aluminum Solar Panel Frame

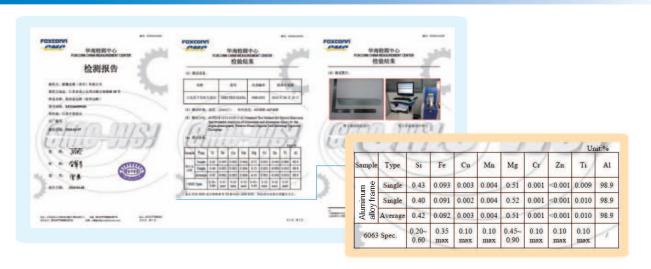


# **Technical Parameters**

- Normal Dimension ( mm )
- 1960x990x46
- 1640x990x40
- Other dimensions can be customerized.
- Material : Aluminum Alloy AL6063-T5
- Surface : Anodized / Sand blast
- Standard : GB/5237-2008

# Section Dimension (mm) 11 1960x990x46mm 1640x990x40mm Corner Connector

# **Test Certificate**



# Quality · Guarantee

## 15-year Guarantee



## Third-party Test

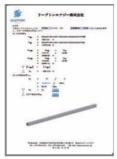


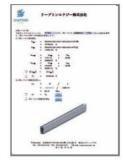


#### Mechanical Calculation

















































Test Chemitox



































# erry Ca., Ltd.

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

No.55, Sunshine Avenue, Changshu City, Jlangsu, China

# **Projects**





































# Longion Energy Co., Ltd.

Tosei Bidg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

#### PV Nochio Magniscturer Leggen Selar (Changsha) Co.,Ltd.

No.55,Sunshine Avenue,Changshu City, Jiangsu, China





#### Langton Energy Co., Ltd. MEAD OFFICE, Robo, JAPAN

Tosei Bldg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shl, Hyogo 650-0025,Japan

#### PV Medulo Manufacturer Leagues Salar (Changshu) Co., Ltd.

No.55,Sunshine Avenue,Changshu City, Jiangsu, China www.leaptonpv.com Info@leaptonenergy.com

# **Projects**



# Loupton Energy Co., Ltd.

Tosei Bidg.6F,1-2-1,Aioi-cho, Chuo-ku,Kobe-shi, Hyogo 650-0025,Japan

#### PV Modulo Manufacturer Longton Setar (Changsha) Go., L

No.55,Sunshine Avenue,Changshu City, Jiangsu, China

# **⚠** Safety Information

## Please read this manual carefully before installation

- Please consult technician or authorized agent before purchasing.
- The installation must be done by the qualified constructors.
- Do not try to intall the products in rainy, snowy, high-temperature or windy days.
- No liability will be assumed and no warranty will be given for any damage caused by incorrect installation, faulty planning or design of the photovoltaic system or improper use.
- O Some materials may be changed due to the product improvement.
- O Product pictures of this catalogue are just for renderings, which might be different with actural colors.
- O Please keep this catalogue in a safe place.

## HEAD OFFICE, Kobo, JAPAN Leapton Energy Co., Ltd.

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Hyogo 650-0025,Japan

## Tokyo Branch, JAPAN Leapton Energy Co., Ltd.

www.leaptonsolar.com

www.leaptonenergy.jp Tel: +81-3-5510-7818 Fax: +81-3-5510-7819 Shinsan Bldg.6F,3-5-10,Shimbashi,Minato-ku, Tokyo 105-0004,Japan

# Sri Lanka Agency Three Sinha Reefing (Pvt) Ltd (selar pv system)

Tel: +94(11)-7-65-65-65 Info@threesInhasolar.lk; solar@threesInha.lk No.1564, Kotte Road,Rajagiriya,Sri Lanka

## PV System Integrator Leapton Engineering Technology (Shanghal) Co., Ltd.

www.leaptonenergy.com
Tel: +86-21-5308-9708 Fax: +86-21-5308-0709
Info@leaptonenergy.com
11F Bldg.A.Hongkou Plaza, No.388, West Jiangwan Rd.,
Shanghai 200083, China

## **PV Modulo Manufacturor Leapton Solar (Changshu) Ca\_Ltd.**

www.leaptonpv.com
Tel: +86-512-88800068 Fax: +86-512-88800068x810
info@leaptonenergy.com
No.55,Sunshine Avenue,Changshu City,Jiangsu, China

### **PY Mounting System Manufacturer** Leauton Netal (Suzhou) Co. Ltd.

www.leaptonsolar.com Tel: +86-512-5755-2982 Fax: 0512-5755-2983 Info@leaptonenergy.com

No.28, Daguanlou Road, Zhoushi Town, Kunshan, Jiangsu, China

