

DATASHEET

HUAWEI INVERTER



HUAWEI

SUN2000-50KTL-M3

3 PHASE

2 ตัว

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

7/17 ชั้นที่ 3 ถนนสามัคคีชัย ตำบลในเมือง
อำเภอเมืองเพชรบูรณ์ จ.เพชรบูรณ์ 67000

เลขประจำตัวผู้เสียภาษี :: 0675564001294

SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

SUN2000-50KTL-M3 Smart PV Controller



Higher Yields

Up to 30% More Energy
with Optimizer



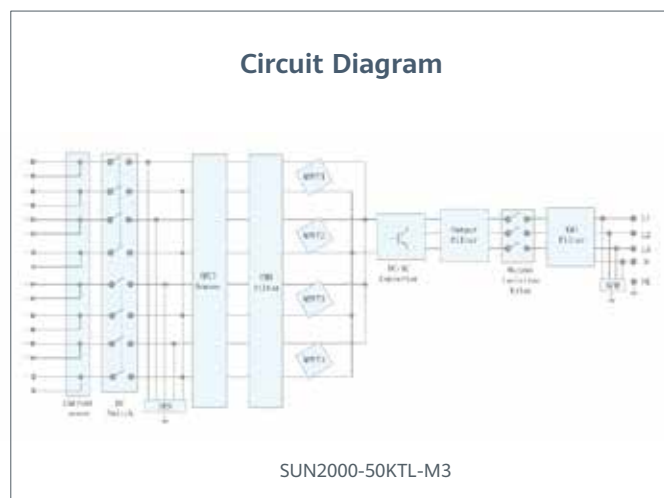
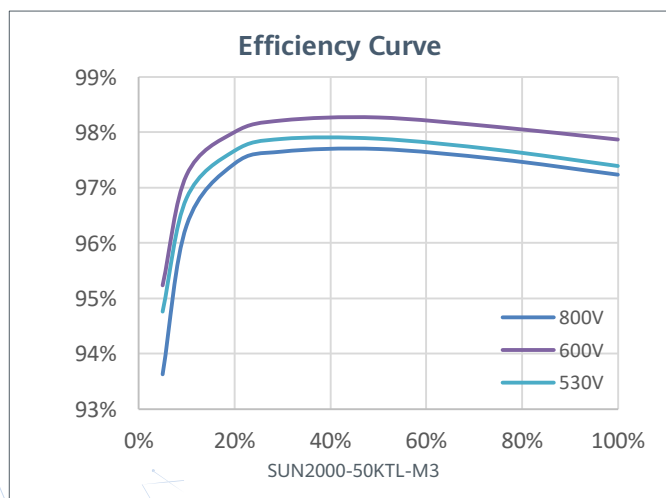
Active Safety

AI Powered
Active Arcing Protection



Flexible Communication

WLAN, Fast Ethernet, 4G
Communication Supported



SUN2000-50KTL-M3

Technical Specification

Technical Specification	SUN2000-50KTL-M3
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Efficiency	
Max. Efficiency	98.5%
European Efficiency	98.0%

Input	
Max. Input Voltage ¹	1,100 V
Max. Current per MPPT	30 A
Max. Current per Input	20 A
Max. Short Circuit Current per MPPT	40 A
Start Voltage	200 V
MPPT Operating Voltage Range ²	200 V ~ 1,000 V
Rated Input Voltage	600 V
Number of Inputs	8
Number of MPP Trackers	4

Output	
Rated AC Active Power	50,000 W
Max. AC Apparent Power	55,000 VA
Max. AC Active Power (cosφ=1)	55,000 W
Rated Output Voltage	400 Vac / 480 Vac, 3W+(N) + PE
Rated AC Grid Frequency	50 Hz / 60 Hz
Rated Output Current	72.2 A @ 400Vac, 60.1 A @ 480Vac
Max. Output Current	79.8 A @ 400Vac, 66.5 A @ 480Vac
Adjustable Power Factor Range	0.8 LG ... 0.8 LD
Max. Total Harmonic Distortion	<3%

Protection	
Input-side Disconnection Device	Yes
Anti-islanding Protection	Yes
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
PV-array String Fault Monitoring	Yes
DC Surge Arrester	Type II
AC Surge Arrester	Type II
DC Insulation Resistance Detection	Yes
Residual Current Monitoring Unit	Yes
Arc Fault Protection	Yes
Ripple Receiver Control	Yes
Integrated PID Recovery ³	Yes

Communication	
Display	LED Indicators, Bluetooth + APP
RS485	Yes
Smart Dongle	WLAN/Ethernet via Smart Dongle-WLAN-FE (Optional) 4G / 3G / 2G via Smart Dongle-4G (Optional)
Monitoring BUS (MBUS)	Yes (Isolation Transformer required)

Optimizer Compatibility	
DC MBUS Compatible Optimizer	MERC-1100/1300W-P

General Data	
Dimensions (W x H x D)	640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch)
Weight (with mounting plate)	49 kg (108.1 lb)
Operating Temperature Range	-25°C ~ 60°C (-13°F ~ 140°F)
Cooling Method	Smart Air Cooling
Max. Operating Altitude	4,000 m (13,123 ft.)
Relative Humidity	0% RH ~ 100% RH
DC Connector	Amphenol HH4
AC Connector	Waterproof Connector + OT/DT Terminal
Protection Degree	IP 66
Topology	Transformerless
Nighttime Power Consumption	≤ 5.5W

Standard Compliance (more available upon request)	
Safety	EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 60068, IEC 61683
Grid Connection Standards	IEC 61727, VDE-AR-N4105, VDE 0126-1-1, BDEW, G59/3, UTE C 15-712-1, CEI 0-16, CEI 0-21, RD 661, RD 1699, P.O. 12.3, RD 413, EN-50438-Turkey, EN-50438-Ireland, C10/11, MEA, Resolution No.7, NRS 097-2-1, DEWA

- The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter.
- Any DC input voltage beyond the operating voltage range may result in inverter improper operating.
- SUN2000-30~50KTL-M3 raises potential between PV- and ground to above zero through integrated PID recovery function to recover module degradation from PID. Supported module types include: P-type (mono, poly), N-type (nPERT, HIT)
- 50KTL Platform only supports C&I Optimizer(MERC-1100/1300W-P). The current version does not support this function and it can be upgraded to optimizer version via new inverter software version(Dec 30th, 2022)
Refer to [HTTP://solar.huawei.com/](http://solar.huawei.com/)

DATASHEET

PV PANEL

LONGi *JinkO^{Solar}* **JA**SOLAR

630 - 635 W

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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N-TYPE

SERIES

LONGi

Jinko^{Solar}

JASOLAR



630 - 635 W

DATASHEET

SMART DONGLE



HUAWEI

PICK UP 1

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เอสวาย คอนเนค (ประเทศไทย) จำกัด

Smart Dongle-4G



Smart

2G, 3G, 4G communication ¹
Support 3rd-party monitoring system ²



Simple

Plug & Play
Support max. 10 devices



Reliable

IP65
Support auto reconnection

Technical Specification	SDongleA-03-EU
General Data	
Max. Devices Supported	10
Max. Inverters Supported	10
Connection interface	USB
Installation	Plug-and-play
Indicator	LED Indicator
Dimensions (W * H * D)	130 x 48 x 33 mm (5.1 x 1.9 x 1.3 inch)
Weight	90 g (0.2 lb.)
Degree of protection	IP65
Power consumption (typical)	3.5 W
Wireless Parameter	
Sim card type	mini-sim (15 mm*25 mm)
Supported standards & frequencies	4G: FDD-LTE / TDD-LTE 3G: WCDMA / HSDPA / HSUPA / HSPA+ 2G: GSM / GPRS / EDGE ³
Environment	
Operating temperature range	-30 °C to +65 °C (-22 °F to 149 °F)
Relative humidity range	5 - 95% RH
Storage temperature range	-40 °C to +70 °C (-40 °F to 158 °F)
Max. operating altitude	4,000 m (13,123 ft.)
Standard Compliance (more available upon request)	
Certificate	CE, MIC
Inverter Compatibility	
Inverter model	SUN2000-3/4/5/6/8/10KTL-M0 SUN2000-12/15/17/20KTL-M0 SUN2000-50/60KTL-M0

1: To ensure stable data transmission, Huawei suggests 4G dongle to be installed in areas with stable mobile signal (2G signal ≥ 4 bars, 3G/4G signal ≥ 3 bars). 2: 3rd-party management system shall match the communication protocol with Huawei Smart Dongle.
3: For recommended carriers list and details on supported frequencies, please contact local distributors.

Smart Dongle-4G



Smart

4G communication ¹

Support 3rd-party monitoring system ²



Simple

Plug & Play

WLAN-AP for local deploying ³



Reliable

IP65

Support auto reconnection

Technical Specification	SDongleB-06-EU	SDongleB-06-AU	SDongleB-06-NH
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General Data	
Max. Devices Supported	10
Max. Inverters Supported	10
Connection interface	USB
Installation	Plug-and-play
Indicator	LED Indicator
Dimensions (W * H * D)	162*48*28mm
Degree of protection	IP65
Power consumption (typical)	3.5W

Wireless Parameter			
Sim card type	mini-sim (15 mm*25 mm)		
Supported standards & frequencies ⁴	LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: 850/900/1800/1900MHz	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE-TDD: B40 WCDMA: B1/B2/B5/B8 GSM: 850/900/1800/1900MHz	LTE-FDD: B1/B3/B8/B18/B19/B26 LTE-TDD: B41 WCDMA: B1/B6/B8/B19
Wifi Operation Mode	AP		
Supported standards & frequencies	802.11b/g/n (2.412G—2.484G)		

Environment	
Operating temperature range	-30 °C to +65 °C (-22 °F to 149 °F)
Relative humidity range	5 - 95% RH
Storage temperature range	-40 °C to +70 °C (-40 °F to 158 °F)
Max. operating altitude	4,000 m (13, 123 ft.)

Standard Compliance (more available upon request)			
Certificate	CE	RCM	TELEC

Inverter Compatibility		
Inverter model	SUN600-5/6KTL-L0 SUN2000-2~6KTL-L1 SUN2000-3~10KTL-M1 SUN2000-8~20KTL-M2 SUN2000-12~25KTL-M5 SUN2000-20~50KTL-M3	SUN2000-50/60KTL-M0 SUN2000-50KTL-JPM1 SUN2000-63KTL-JPM0 SUN2000-75KTL-M1 SUN2000-100KTL-M0/M1 SUN2000-100KTL-INM0 SUN2000-110KTL-INM2 SUN2000-100/115KTL-M2

1: To ensure stable data transmission, Huawei suggests 4G dongle to be installed in areas with stable mobile signal (2G signal ≥ 4 bars, 3G/4G signal ≥ 3 bars).

2: 3rd-party management system shall match the communication protocol with Huawei Smart Dongle.

3: When all inverters support WLAN hotspot, hotspot of Dongle will be disabled by default.

4: For recommended carriers list and details on supported frequencies, please contact local distributors.

Smart Dongle-WLAN-FE



Smart

WLAN & Fast Ethernet (FE) communication
Support 3rd-party monitoring system ¹



Simple

Plug & Play
Support max. 10 devices



Reliable

IP65
Support auto reconnection

Technical Specification	SDongleA-05
General Data	
Max. Devices Supported	10
Max. Inverters Supported	10
Connection interface	USB
Ethernet Interface	10/100M Ethernet
Installation	Plug-and-play
Indicator	LED Indicator
Dimensions (W * H * D)	146 x 48 x 33 mm (5.1 x 1.9 x 1.3 inch)
Weight	90 g (0.2 lb.)
Degree of protection	IP65
Power consumption (typical)	2.5 W
Operation Mode	STA
Encryption Algorithm	Encryption Mechanism: WPA/WPA2 Encryption: TKIP/CCMP/AES
Wireless Parameter	
Supported standards & frequencies	802.11b/g/n (2.412G—2.484G)
Environment	
Operating temperature range	-30 °C to +65 °C (-22 °F to 149 °F)
Relative humidity range	5 - 95% RH
Storage temperature range	-40°C to +70°C (-40 °F to 158 °F)
Max. operating altitude	4,000 m (13,123 ft.)
Standard Compliance (more available upon request)	
Certificate	SRRC, CE, RCM
Inverter Compatibility	
Supported Master Inverter Model	SUN2000-2/3/4/4.6/5/6KTL-L1 SUN2000-5/6KTL-M1 SUN2000-8/10/12/15/17/20KTL-M2 SUN2000-29.9/36/40KTL-M3 SUN2000-5/6/8/10/12/15/17/20KTL-M0

¹: 3rd-party management system shall match the communication protocol with Huawei Smart Dongle.

DATASHEET

SMART POWER SENSOR



HUAWEI

DDSU666-H

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

Smart Power Sensor



Accurate

Class 1 measurement accuracy



Simple & Easy

LCD display, easy to set and check



Energy Efficient

Overall power consumption ≤ 1 W

Technical Specification	DDSU666-H	DTSU666-H	DTSU666-H 250A/50mA
General Data			
Dimension (H x W x D)	100 x 36 x 65.5 mm (3.9 x 1.4 x 2.6 inch)	100 x 72 x 65.5 mm (3.9 x 2.8 x 2.6 inch)	100 x 72 x 65.5 mm (3.9 x 2.8 x 2.6 inch)
Mounting type	DIN35 Rail		
Weight (including cables)	1.2 kg (2.6 lb)	1.5 kg (3.3 lb)	1.5 kg (3.3 lb)
Power Supply			
Power grid type	1P2W	3P4W	3P4W/3P3W
Input voltage (phase voltage)	176 Vac ~ 288 Vac		
Power consumption	≤ 0.8 W	≤ 1 W	≤ 1 W
Measurement Range			
Line voltage	/	304 Vac ~ 499 Vac	304 Vac ~ 499 Vac
Phase voltage	176 Vac ~ 288 Vac		
Current	0 ~ 100 A	0 ~ 100 A	0 ~ 250 A
Measurement Accuracy			
Voltage	±0.5 %		
Current / Power / Energy	±1 %		
Frequency	±0.01 Hz		
Communication			
Interface	RS485		
Baud rate	9,600 bps		
Communication protocol	Modbus-RTU		
Environment			
Operating temperature range	-25 °C ~ 60 °C		
Storage temperature range	-40 °C ~ 70 °C		
Operating humidity	5 %RH ~ 95 %RH (non-condensing)		
Others			
Accessories	RS485 Cable (10 m / 33 ft.)		
	1 CT 100A / 40mA (5 m / 16.4 ft.) 	3 CT 100A / 40mA (5m / 16.4 ft.) 	3 CT 250A / 50mA (5m / 16.4 ft.) 

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PV CABEL & ACCESSORIES



บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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SOLAR CABLE

CATALOG 2022 - 2023

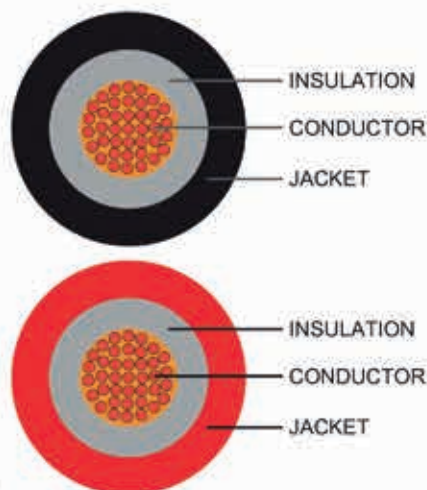


SOLAR CABLE

(Photovoltaic Cable)

STANDARD

- IEC 62930:2017
- EN 50618:2014
- IEC/EN 60228 Class 5
- DIN VDE 0295 Class 5
- TÜV Approvals R50495554
- RoHS compliant



ELECTRICAL CHARACTERISTIC

Nominal Voltage U_0/U	AC 1000/1000V, DC 1500/1500V
Max. DC voltage	1800V (conductor-conductor, non-earth system, circuit not under load)
AC Test Voltage	6.5 KV
DC Test Voltage	15 KV
Min. Surface resistance of sheath	$10^9 \Omega$

TEMPERATURE

Max. temperature at conductor	-40°C to + 120°C
Temperature Range	-40°C to + 90°C

CABLE CONSTRUCTION

Conductor Material	Fine wire stranded tinned copper according IEC/EN 60228 Class 5
Insulation Material	Halogen free, Copolymer Electron beam cross-linked polyethylene (XLPE)
Jacket Material	Halogen free, Copolymer Electron beam cross-linked polyethylene (XLPE) with FR-LSZH
Jacket Color	Red or Black

TECHINICAL SPECIFICATION

Size (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Jacket Diameter (mm)	Conductor Resistance at 20°C (Ω/km)	Insulation Resistance at 20°C (MΩ/km)	Rated Current (A)	
						@ 30°C (IEC62930)	@ 60°C (EN50618)
2.5	0.70	0.80	5.05±0.30	≤ 8.21	≥ 690	42	41
4	0.70	0.80	5.40±0.30	≤ 4.85	≥ 580	57	55
6	0.70	0.80	6.30±0.30	≤ 3.25	≥ 500	72	70
10	0.70	0.80	7.20±0.30	≤ 1.95	≥ 420	98	98

ORDER INFORMATION

Part Number	Description	Length	Package
CB-1025AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, 1500 V, 1x2.5 mm ² , (Black or Red)	100/500/1000 m.	Box./Roll.
CB-1040AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, 1500 V, 1x4 mm ² , (Black or Red)	100/500/1000 m.	Box./Roll.
CB-1060AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, 1500 V, 1x6 mm ² , (Black or Red)	100/500/1000 m.	Box./Roll.
CB-1100AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, 1500 V, 1x10 mm ² , (Black or Red)	100/500/1000 m.	Box./Roll.

X=Color : B (Black) , R(Red)

Add "-1" at the end of the P/N = 100 m / Box.e.g. CB-1040AB-1

"-5" at the end of the P/N = 500 m / Roll.e.g. CB-1040AB-5

CONNECTOR for SOLAR CABLE

(MC4 SERIES)



MC4 CONNECTOR (PAIR)

- Compliant with MC4 Connector
- Compatible Cable : 2.5 mm², 4.0 mm², 6.0 mm² and 10.0 mm²
- Rated Voltage : 1500V DC
- Rate Current : 40A, 55A
- UV-resistance & Waterproof with Protection class IP68
- High voltage carrying capacity
- The connector can be used in the atrocious weather.
- Stable automatic lock-system makes connectors open and close easily
- The lock-clip has special designed to prevent personnel unlocked by hand.



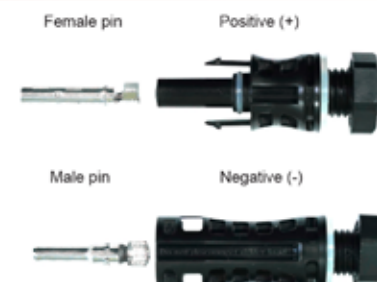
Part Number	Description
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CB-1002A	MC4 Connector (Pair) 1500V, TUV Standard, (2.5, 4.0 and 6.0 mm ²)
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CB-1003	MC4 Connector (Pair) 1500V, TUV Standard, (10.0 mm ²)
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MC4 PANEL CONNECTOR (PAIR)

- Compliant with MC4 connector
- Compatible Cable : 2.5 mm², 4 mm² and 6 mm²
- Rated Voltage : 1500V DC
- Rated Current : 50A
- UV-resistance & Waterproof with Protection class IP68
- High voltage carrying capacity
- The connector can be used in the atrocious weather.
- Stable automatic lock-system makes connectors open and close easily
- The lock-clip has special designed to prevent personnel unlocked by hand.

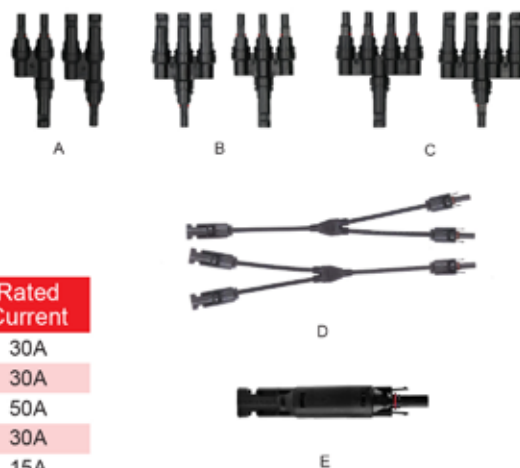


Part Number	Description
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CB-1006A	MC4 Panel Connector (Pair) 1500V, TUV Standard, (2.5, 4.0 and 6.0 mm ²)
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MC4 BRANCH, MC4 T-TYPE and MC4 FUSE CONNECTOR

- Compliant with MC4 Connector
- Compatible Cable : 2.5 mm², 4 mm² and 6 mm²
- Rated Voltage : 1500V DC
- Rated Current : 30A, 50A
- UV-resistance & Waterproof with Protection class IP67
- High voltage carrying capacity
- The connector can be used in the atrocious weather.
- Stable automatic lock-system makes connectors open and close easily



Part Number	Description	Figure	Rated Current
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CB-1004	MC4 Y Branch, 2 to 1 Connector (Pair), 1500V, TUV Standard	A	30A
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CB-1008	MC4 T-Type, 3 to 1 Connector (Pair), 1500V, TUV Standard	B	30A
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CB-1010	MC4 T-Type, 4 to 1 Connector (Pair), 1500V, TUV Standard	C	50A
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CB-1014	MC4 Y-Branch Cable with Connector (Pair), 1500V, TUV Standard	D	30A
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CB-1020	MC4 Fuse Connector, w/15A fuse, 1500V, TUV Standard	E	15A
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PATCH CORD SOLAR CABLE

- Cable : 4 mm² and 6 mm² with MC4 Connector
- Rated Voltage : 1500V DC
- Rated Current : Connector 40A, Cable 42A, 57A
- UV-resistance & Waterproof with Protection class IP68
- The connector can be used in the atrocious weather.
- According IEC 62930:2017, IEC/EN 60228 Class 5
- TÜV Approvals and RoHS compliant



Part Number	Description
-------------	-------------

CB-5054B-XX	Patch Cord Solar Cable (BLACK) 4.0 mm ² w/MC4
-------------	--

CB-5054R-XX	Patch Cord Solar Cable (Red) 4.0 mm ² w/MC4
-------------	--

CB-5056B-XX	Patch Cord Solar Cable (BLACK) 6.0 mm ² w/MC4
-------------	--

CB-5056R-XX	Patch Cord Solar Cable (Red) 6.0 mm ² w/MC4
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XX = 03 : 3m., 05 : 5m., 10 : 10m., 20 : 20m., 30 : 30m., 50 : 50m.

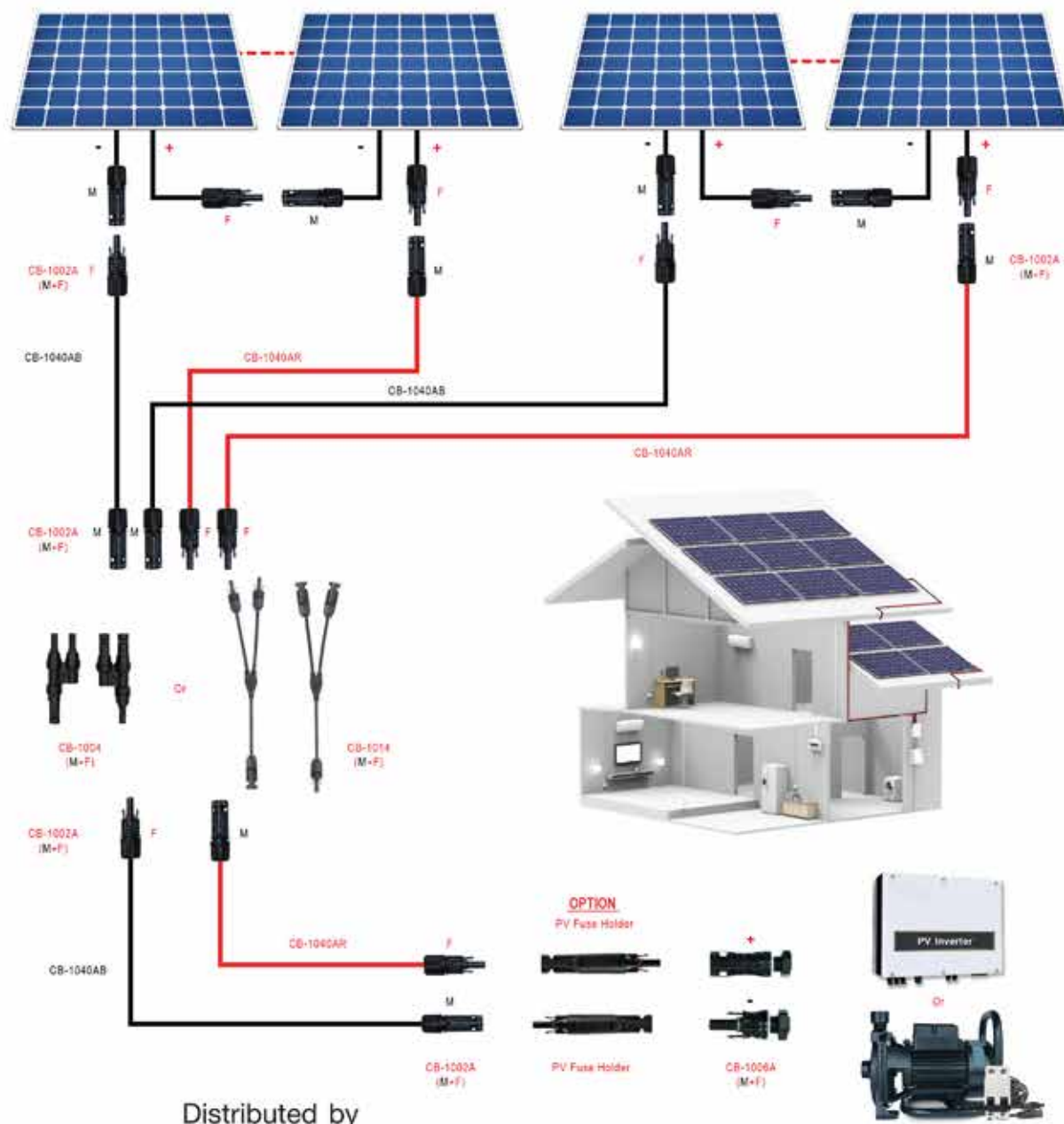
* Available other length on request.

TOOL for SOLAR CONNECTOR

Part Number	Description	Figure
CB-1084	MC4 Crimping Tool for MC4 Connector	A
CB-1086	MC4 Spanner for MC4 Connector	B



SOLAR CABLE & CONNECTOR SOLUTION



Distributed by

DATASHEET

AC CABLE



450/750V 70°C IEC-01 Cable
0.6/1KV 90°C CV Cable

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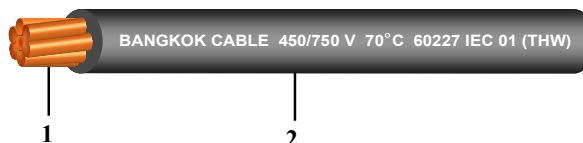
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เอสวาย คอนเนค (ประเทศไทย) จำกัด

450/750 V 70°C 60227 IEC 01 (THW)

SINGLE-CORE NON-SHEATHED CABLE WITH RIGID CONDUCTOR



Construction

1. Conductor : Solid or circular stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)
Black, Light Blue, Brown, Grey, Green/Yellow
or other colours

Reference Standard :

TIS 11 Part 3-2553



Classification

- Maximum conductor temperature : 70°C
 Rated voltage : 450/750 V
 AC test voltage : 2,500 V

Application

- Use for general purpose
- For installation in raceway and shall be protected water into raceway
- Do not install in duct in ground or direct burial in ground

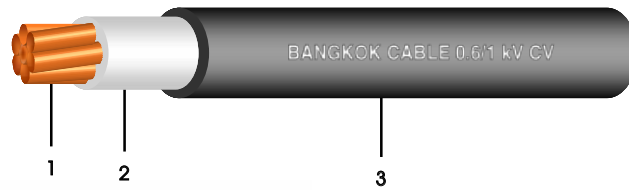
Products code	Conductor			Thickness of insulation mm	Overall diameter		Insulation resistance at 70°C MΩ.km (Min.)	Current rating in free air A	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)		Lower limit mm	Upper limit mm				
C6KY013V1012	1.5	1	1.36	0.7	2.6	3.2	0.011	21	21	100/C
C6KY013V4012	1.5	7	1.53	0.7	2.7	3.3	0.010	21	22	100/C
C6KY014V1012	2.5	1	1.75	0.8	3.2	3.9	0.010	29	33	100/C
C6KY014V4012	2.5	7	1.98	0.8	3.3	4.0	0.009	29	34	100/C
C6KY015V1012	4	1	2.21	0.8	3.6	4.4	0.0085	37	48	100/C
C6KY015V2012	4	7	2.49	0.8	3.8	4.6	0.0077	37	50	100/C
C6KY016V1012	6	1	2.70	0.8	4.1	5.0	0.0070	48	68	100/C
C6KY016V2012	6	7	3.09	0.8	4.3	5.2	0.0065	48	72	100/C
C6KY017V1012	10	1	3.50	1.0	5.3	6.4	0.0070	67	110	100/C
C6KY017V2012	10	7	3.99	1.0	5.6	6.7	0.0065	67	120	100/C
C6KY018V2012	16	7	5.01	1.0	6.4	7.8	0.0050	92	180	100/C
C6KY019V2012	25	7	6.30	1.2	8.1	9.7	0.0050	127	280	100/C
C6KY010W2012	35	7	7.55	1.2	9.0	10.9	0.0043	157	380	100/C
C6KY011W2011	50	19	8.75	1.4	10.6	12.8	0.0043	191	510	500/D
C6KY012W2011	70	19	10.50	1.4	12.1	14.6	0.0035	244	720	500/D
C6KY013W2011	95	19	12.35	1.6	14.1	17.1	0.0035	297	990	500/D
C6KY014W2011	120	37	13.93	1.6	15.6	18.8	0.0032	345	1,220	500/D
C6KY015W2011	150	37	15.47	1.8	17.3	20.9	0.0032	397	1,510	500/D
C6KY016W2011	185	37	17.29	2.0	19.3	23.3	0.0032	453	1,880	500/D
C6KY017W2011	240	37	19.89	2.2	22.0	26.6	0.0032	535	2,470	500/D
C6KY018W2011	300	61	22.23	2.4	24.5	29.6	0.0030	617	3,080	500/D
C6KY019W2011	400	61	25.20	2.6	27.5	33.2	0.0028	741	3,930	300/D

C = Packing in coil

D = Packing in drum

0.6/1 kV CV (FR-CV optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE), Natural colour
3. Sheath : Polyvinyl chloride (PVC), Black colour, (Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
- Maximum circuit voltage : 1,000 V
- AC test voltage : 3,500 V

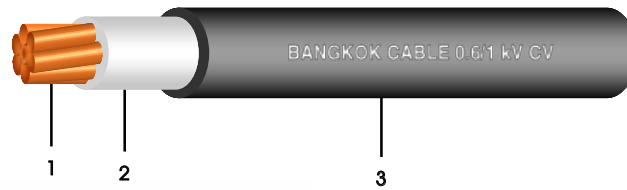
Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	DC, conductor resistance at 20°C	Insulation resistance at 20°C	Current rating		Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter						in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	A	A	kg/km (Approx.)	m/drum
1.5	7	1.59	0.7	1.4	6.5	12.1	2,550	27	33	50	500
2.5	7	2.01	0.7	1.4	7.0	7.41	2,100	38	43	60	500
4	7	2.55	0.7	1.4	7.5	4.61	1,700	51	56	80	500
6	7	3.12	0.7	1.4	8.0	3.08	1,450	66	71	110	500
10	6	3.72	0.7	1.4	9.0	1.83	1,250	92	94	150	500
16	6	4.69	0.7	1.4	9.5	1.15	1,000	124	120	210	500
25	6	5.90	0.9	1.4	11.5	0.727	1,050	166	155	310	500
35	6	6.95	0.9	1.4	12.5	0.524	900	206	185	410	500
50	6	8.33	1.0	1.4	14.0	0.387	850	259	225	550	500
70	12	9.73	1.1	1.4	15.5	0.268	800	321	275	750	500
95	15	11.43	1.1	1.5	17.5	0.193	700	391	330	1,020	500
120	18	12.95	1.2	1.5	19.5	0.153	650	455	375	1,270	500
150	18	14.27	1.4	1.6	21.5	0.124	700	525	425	1,560	500
185	30	15.98	1.6	1.6	23.5	0.0991	700	602	480	1,940	500
240	34	18.47	1.7	1.7	26.5	0.0754	650	711	560	2,520	500
300	34	20.68	1.8	1.8	29.0	0.0601	600	821	635	3,130	500
400	53	23.39	2.0	1.9	32.5	0.0470	600	988	725	3,980	500
500	53	26.67	2.2	2.0	36.5	0.0366	600	1,140	830	5,080	500
630	53	30.22	2.4	2.2	41.0	0.0283	550	1,323	945	6,540	400
800	53	34.00	2.6	2.3	45.5	0.0221	550	1,543	1,060	8,310	400

0.6/1 kV CV (FR-CV optional)*

1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



Construction

1. Conductor : Circular stranded or circular compacted stranded annealed copper
2. Insulation : Cross-linked polyethylene (XLPE), Natural colour
3. Sheath : Polyvinyl chloride (PVC), Black colour, (Optional : FR-PVC)*

Reference Standard :

IEC 60502-1

Classification

- Maximum conductor temperature : 90°C
 Maximum circuit voltage : 1,000 V
 AC test voltage : 3,500 V

Application

For general purpose power distribution in dry or wet location, installation exposed in conduit or duct or direct burial in ground.

Conductor cross-sectional area mm ²	AC Resistance of conductor at 90°C Ω/km (Approx.)	Inductance* mH/km (Approx.)	Reactance* Ω/km (Approx.)	Impedance* Ω/km (Approx.)
1.5	15.43	0.663	0.208	15.43
2.5	9.45	0.626	0.197	9.45
4	5.88	0.594	0.187	5.88
6	3.93	0.564	0.177	3.93
10	2.33	0.550	0.173	2.34
16	1.47	0.515	0.162	1.48
25	0.927	0.507	0.159	0.941
35	0.668	0.491	0.154	0.686
50	0.494	0.477	0.150	0.516
70	0.342	0.467	0.147	0.372
95	0.247	0.459	0.144	0.286
120	0.196	0.455	0.143	0.243
150	0.160	0.455	0.143	0.214
185	0.128	0.451	0.142	0.191
240	0.0988	0.446	0.140	0.171
300	0.0800	0.441	0.139	0.160
400	0.0642	0.439	0.138	0.152
500	0.0520	0.436	0.137	0.147
630	0.0427	0.434	0.136	0.143
800	0.0360	0.432	0.136	0.140

* Condition : Three cable laid in flat formation with a clearance between cables of 1.0 times the cable overall diameter

DATASHEET

IMC CONDUIT & ACCESSORIES



บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

7/17 ชั้นที่ 3 ถนนสามัคคีชัย ตำบลในเมือง
อำเภอเมืองเพชรบูรณ์ จ.เพชรบูรณ์ 67000

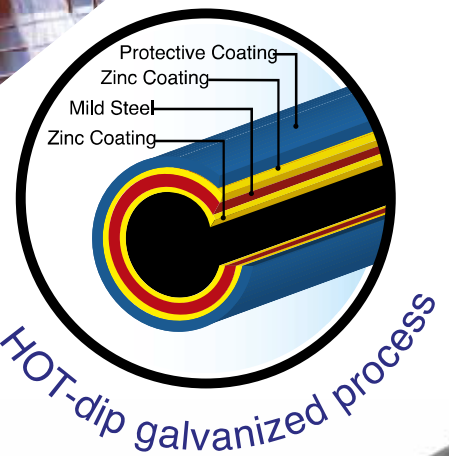
เลขประจำตัวผู้เสียภาษี :: 0675564001294

SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

“เป็นหนึ่งใน...เรื่องท่อในอาคาร”



ARROW PIPE



DATASHEET

WIREWAY & ACCESSORIES



EPOXY POWDER PAINT

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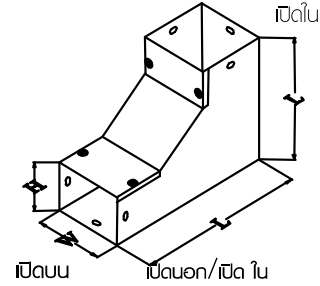
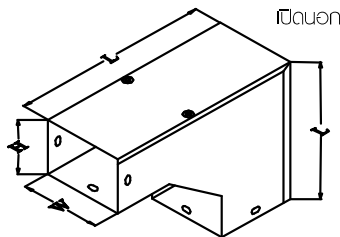
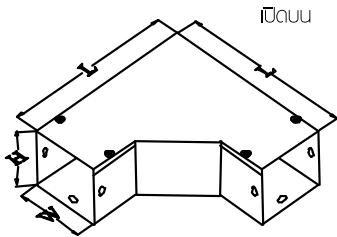
7/17 ชั้นที่ 3 ถนนสามัคคีชัย ตำบลในเมือง
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WIREWAY

ข้อจ่อไวร์เวย์ แบบขันสกรู



KWWS - 4

รางไวร์เวย์ แบบขันสกรู

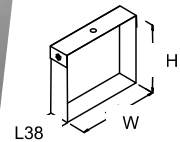


KWWS - 8

รางไวร์เวย์ แบบขันสกรู

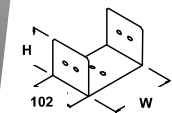
HANGER SUPPORT

ข้อรับรางไวร์เวย์



CONNECTOR

ข้อต่อตรงไวร์เวย์



HORIZONTAL TEE

สามทางรางไวร์เวย์



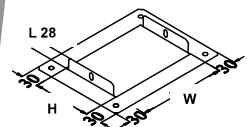
HORIZONTAL CROSS

สี่ทางรางไวร์เวย์



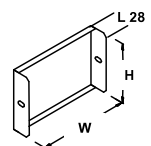
FLANG END

ข้อต่อลงตู้รางไวร์เวย์



END CAP

แผ่นปิดหัวท้ายรางไวร์เวย์



Made by On

DATASHEET

WIREWAY & ACCESSORIES



HOT DIP GALVANIZED

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

7/17 ชั้นที่ 3 ถนนสามัคคีชัย ตำบลในเมือง
อำเภอเมืองเพชรบูรณ์ จ.เพชรบูรณ์ 67000

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SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

STEEL WIREWAY WITH COVER

รางสายเคเบิล
ชุบเคลือบโลหะ
HOT DIP
GALVANIZED



STANDARD :

ทะเบียนผลิตภัณฑ์ที่ อก 0709/13282 จากสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม และมาตรฐาน ISO 9001 : 2015

- MATERIAL :**
- ☐ Cold Rolled Mild Steel Sheet
 - ☐ Hot Rolled Mild Steel Sheet
 - ☐ Aluminium
 - ☐ Galvanized Steel Sheet (WG Type)
 - ☐ Aluzinc Steel Sheet (WAL Type)
 - ☐ Stainless Steel Sheet (WS Type)

- FINISHING :**
- ☐ HD (Hot dipped Galvanized)
Average 55-65 μ m. Thickness to ASTM
123/A123M (WH Type)
 - ☐ GI (Zinc)

THICKNESS : 1.6, 2.0 / Made to order available (width, length, height, thickness, color)

DATASHEET

MOUNTING SUPPORT &



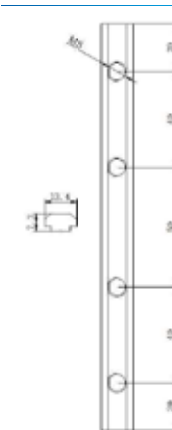
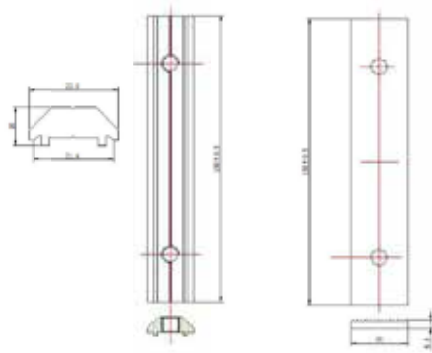
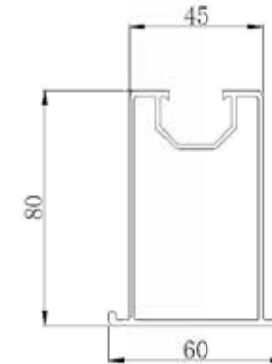
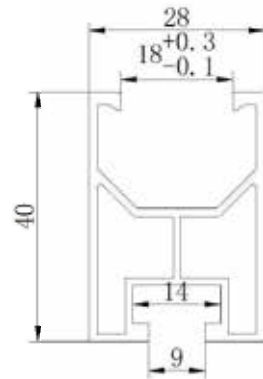
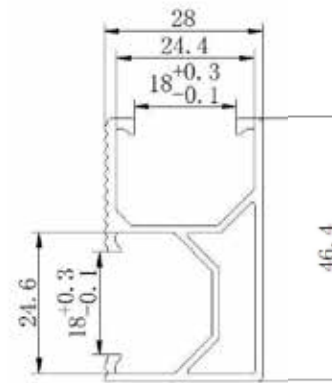
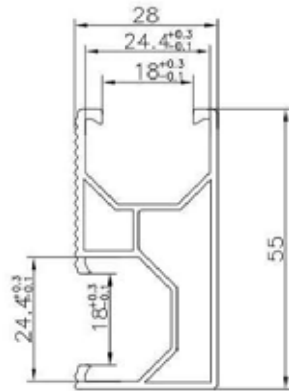
MEGA
MEGA INDUSTRY (THAILAND) CO., LTD

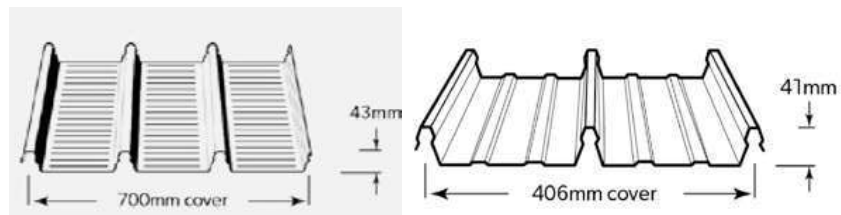
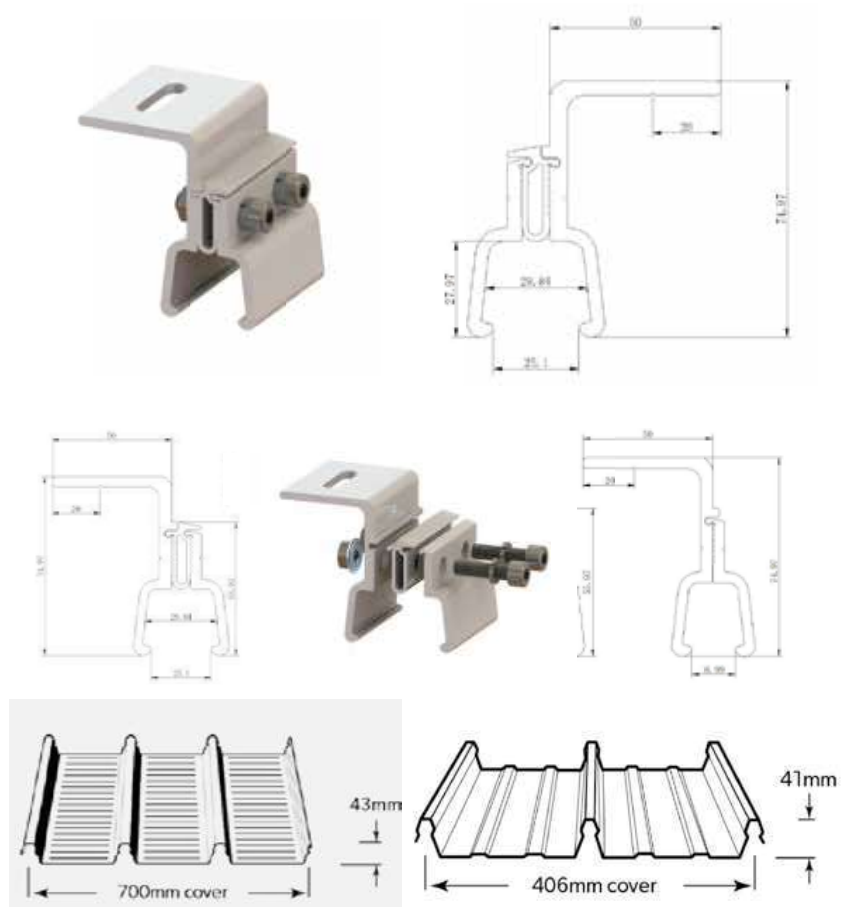
บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

7/17 ชั้นที่ 3 ถนนสามัคคีชัย ตำบลในเมือง
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-14-

