

DATASHEET

HUAWEI INVERTER



HUAWEI

SUN2000-3KTL-L1

1 Phase

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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

เลขประจำตัวผู้เสียภาษี :: 0675564001294

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Active Safety

AI Powered
Active Arcing Protection



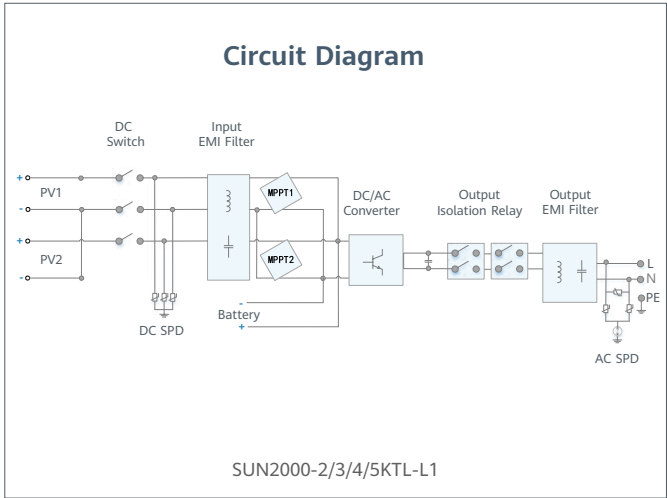
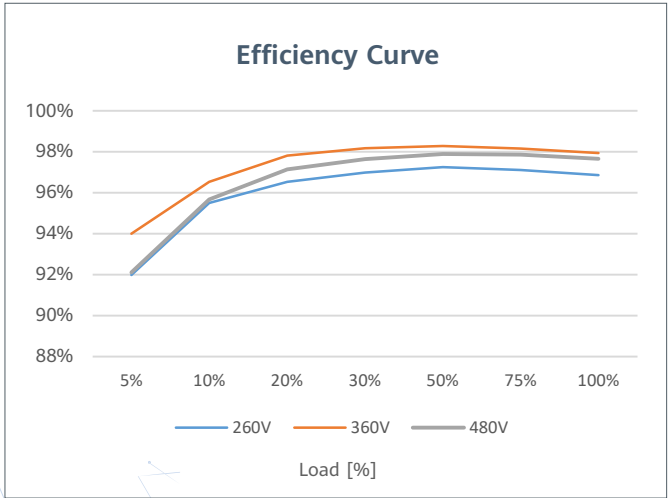
Higher Yields

Up to 30% More
Energy with Optimizer



2x POWER Battery Ready

5KW AC Output plus
5KW Battery Charge



SUN2000-2/3/4/5KTL-L1
Technical Specification

Technical Specification	SUN2000 -2KTL-L1	SUN2000 -3KTL-L1	SUN2000 -4KTL-L1	SUN2000 -5KTL-L1
Efficiency				
Max. efficiency	98.2 %	98.3 %	98.4 %	98.4 %
European weighted efficiency	96.7 %	97.3 %	97.5 %	97.8 %
Input (PV)				
Recommended max. PV power ²	3,000 Wp	4,500 Wp	6,000 Wp	7,500 Wp
Max. input voltage		600 V ³		
Start-up voltage		100 V		
MPPT operating voltage range		90 V ~ 560 V ³		
Rated input voltage		360 V		
Max. input current per MPPT		12.5 A		
Max. short-circuit current		18 A		
Number of MPP trackers		2		
Max. number of inputs		2		
Input (DC Battery)				
Compatible Battery		LG Chem RESU 7H_R / 10H_R		
Operating voltage range		350 ~ 450 Vdc		
Max operating current		10 A @7H_R / 15 A @10H_R		
Max charge power		3,500 W @7H_R / 5,000 W @10H_R		
Max discharge Power @7H_R	2,200 W	3,300 W	3,500 W	3,500 W
Max discharge Power @10H_R	2,200 W	3,300 W	4,400 W	5,000 W
Compatible Battery		HUAWEI Smart ESS Battery 5kWh – 30kWh ¹		
Operating voltage range		350 ~ 560 Vdc		
Max operating current		15 A		
Max charge Power		5,000 W ⁴		
Max discharge Power	2,200 W	3,300 W	4,400 W	5,000 W
Output				
Grid connection		Single phase		
Rated output power	2,000 W	3,000 W	4,000 W	5,000 W ⁵
Max. apparent power	2,200 VA	3,300 VA	4,400 VA	5,500 VA ⁷
Rated output voltage		220 Vac / 230 Vac / 240 Vac		
Rated AC grid frequency		50 Hz / 60 Hz		
Max. output current	10 A	15 A	20 A	25 A ⁸
Adjustable power factor		0.8 leading ... 0.8 lagging		
Max. total harmonic distortion		≤ 3 %		
Backup power output		Yes (via Backup Box-B0 ¹)		
Protection & Feature				
Anti-Islanding protection		Yes		
DC reverse polarity protection		Yes		
Insulation monitoring		Yes		
DC surge protection		Yes, compatible with TYPE II protection class according to EN/IEC 61643-11		
AC surge protection		Yes, compatible with TYPE II protection class according to EN/IEC 61643-11		
Residual current monitoring		Yes		
AC overcurrent protection		Yes		
AC short-circuit protection		Yes		
AC overvoltage protection		Yes		
Over-heat protection		Yes		
Arc fault protection		Yes		
Battery reverse charging from grid		Yes		
General Data				
Operating temperature range		-25 ~ +60 °C (Derating above 45°C @ Rated output power)		
Relative operating humidity		0 %RH ~ 100 %RH		
Operating altitude		0 ~ 4,000 m (Derating above 2,000 m)		
Cooling		Natural convection		
Display		LED indicators; integrated WLAN + FusionSolar APP		
Communication		RS485, WLAN via inverter built-in WLAN module Ethernet via Smart Dongle-WLAN-FE (Optional); 4G / 3G / 2G via Smart Dongle-4G (Optional)		
Weight (incl. mounting bracket)		12.0 kg (26.5 lb)		
Dimension (incl. mounting bracket)		365mm * 365mm * 156 mm (14.4 x 14.4 x 6.1 inch)		
Degree of protection		IP65		
Optimizer Compatibility				
DC MBUS compatible optimizer		SUN2000-450W-P		
Standard Compliance (more available upon request)				
Safety		EN/IEC 62109-1, EN/IEC 62109-2		
Grid connection standards		G98, G99, EN 50549-1, CEI 0-21, VDE-AR-N-4105, AS 4777, C10/11, ABNT, UTE C15-712, RD 1699, TOR D4, IEC61727, IEC62116		

^{*1} Available in 2021 Q1.

^{*2} Inverter max input PV power is 10,000 Wp when long strings are designed and fully connected with SUN2000-450W-P power optimizers.

^{*3} The maximum input voltage and operating voltage upper limit will be reduced to 495 V when inverter connects and works with LG battery.

^{*4} 2,500 W @ 5kWh HUAWEI ESS battery

^{*5} AS4777.2: 4,991W. ^{*6} VDE-AR-N 4105: 4,600VA / AS4777.2: 4,999VA. ^{*7} AS4777.2: 4,999VA / C10/11: 5,000VA ^{*8} AS4777.2: 21.7A.

Version No.: 01-(20190716)

S O L A R . H U A W E I . C O M

DATASHEET

PV PANEL

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

630 - 635 W

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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เอสวาย คอนเนค (ประเทศไทย) จำกัด

N-TYPE

SERIES

LONGi

Solar
Jinko

JA SOLAR



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.) 

DATASHEET

PV CABEL & ACCESSORIES



บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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SOLAR CABLE

CATALOG 2022 - 2023

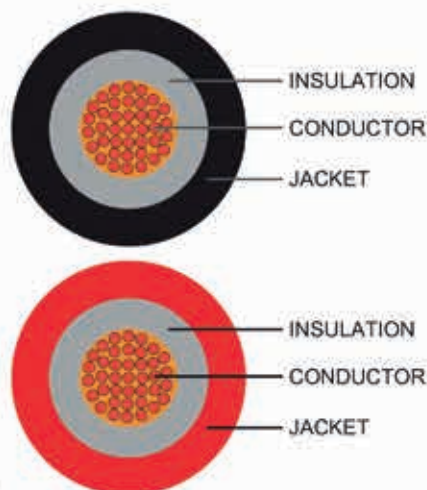


SOLAR CABLE

(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)

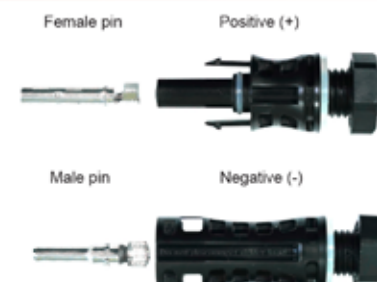
- Compliant with MC4 Connector
- Compatible Cable : 2.5 mm², 4.0 mm², 6.0 mm² and 10.0 mm²
- Rated Voltage : 1500V DC
- Rate Current : 40A, 55A
- UV-resistance & Waterproof with Protection class IP68
- High voltage carrying capacity
- The connector can be used in the atrocious weather.
- Stable automatic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



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

MC4 PANEL CONNECTOR (PAIR)

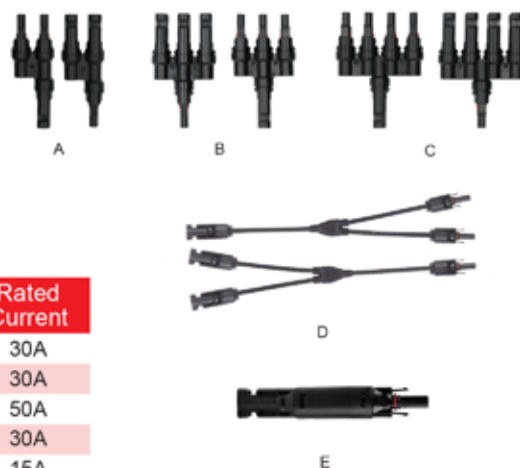
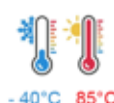
- Compliant with MC4 connector
- Compatible Cable : 2.5 mm², 4 mm² and 6 mm²
- Rated Voltage : 1500V DC
- Rated Current : 50A
- UV-resistance & Waterproof with Protection class IP68
- High voltage carrying capacity
- The connector can be used in the atrocious weather.
- Stable automatic lock-system makes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



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

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

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
- TUV 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

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

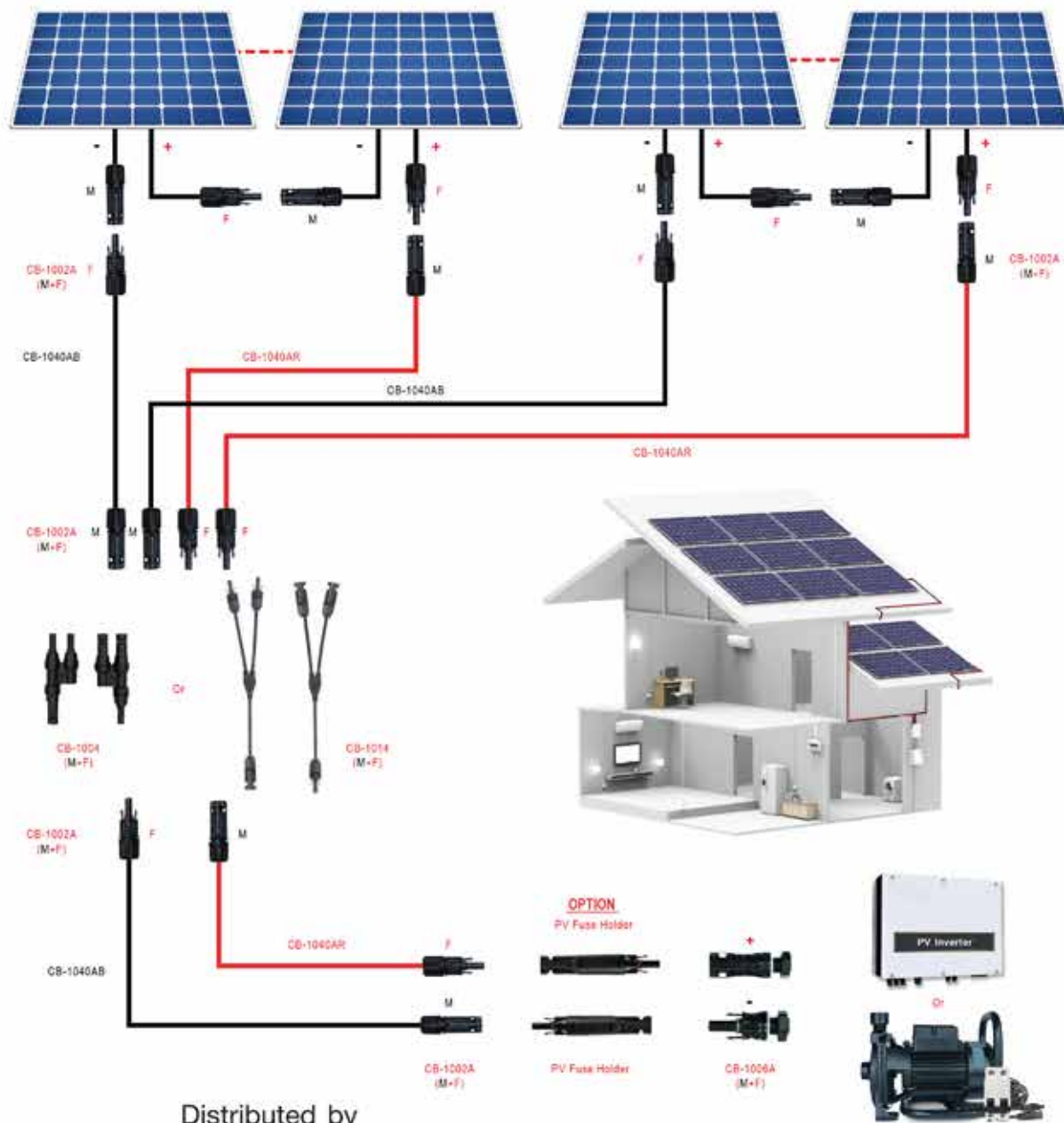


A



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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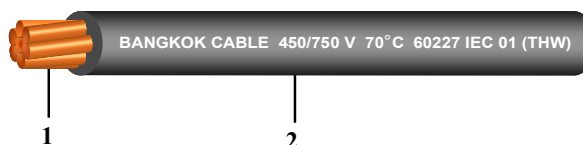
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SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

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

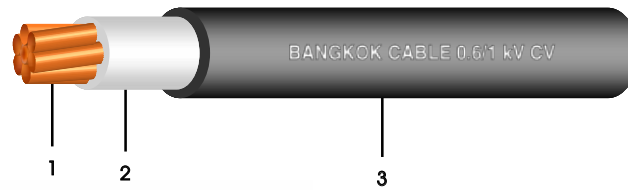
Products code	Conductor			Thickness of insulation mm	Overall diameter		Insulation resistance at 70°C MΩ.km (Min.)	Current rating in free air A	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)		Lower limit mm	Upper limit mm				
C6KY013V1012	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

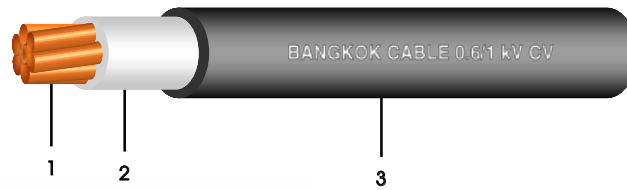
Application

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

Conductor			Thickness	Thickness	Overall	DC,	Insulation	Current rating		Cable	Standard
Cross-sectional area	No. of wires	Diameter	of insulation	of sheath	diameter	conductor resistance at 20°C	resistance at 20°C	in free air at 40°C ambient	direct burial in ground at 30°C	weight	length
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

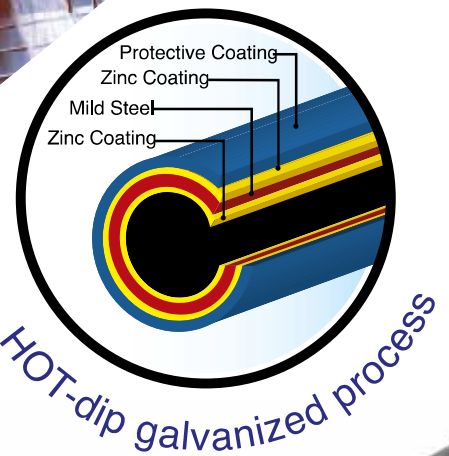
เลขประจำตัวผู้เสียภาษี :: 0675564001294

SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

“เป็นหนึ่งใน...เรื่องท่อในอาคาร”



ARROW PIPE



DATASHEET

WIREWAY & ACCESSORIES



EPOXY POWDER PAINT

บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

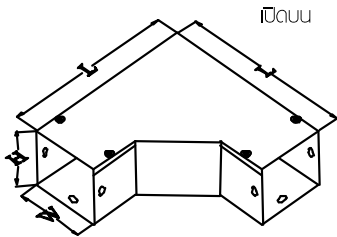
7/17 ชั้นที่ 3 ถนนสามัคคีชัย ตำบลในเมือง
อำเภอเมืองเพชรบูรณ์ จ.เพชรบูรณ์ 67000

เลขประจำตัวผู้เสียภาษี :: 0675564001294

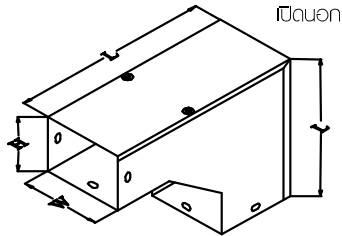
SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

WIREWAY

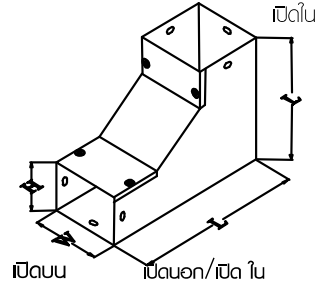
ข้อจ่อไวร์เวย์ แบบขันสกรู



เปิดบน



เปิดนอก



เปิดใน

เปิดบน

เปิดนอก/เปิด ใน



KWWS - 4

รางไวร์เวย์ แบบขันสกรู

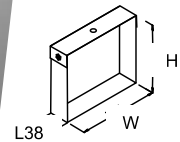


KWWS - 8

รางไวร์เวย์ แบบขันสกรู

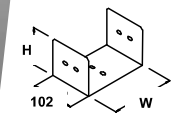
HANGER SUPPORT

ข้อรับรางไวร์เวย์



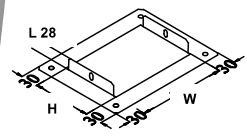
CONNECTOR

ข้อต่อตรงไวร์เวย์



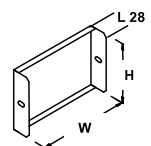
FLANG END

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

เลขประจำตัวผู้เสียภาษี :: 0675564001294

SYconnext
เอสวาย คอนเนค (ประเทศไทย) จำกัด

STEEL WIREWAY WITH COVER

รางสายเคเบิล
ชุบเคลือบในสี
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 A123/A123M (WH Type)
 - ☐ GI (Zinc)

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

DATASHEET

MOUNTING SUPPORT &



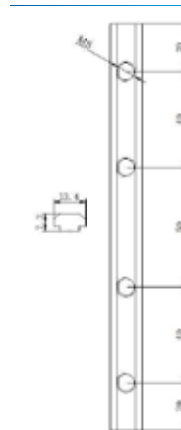
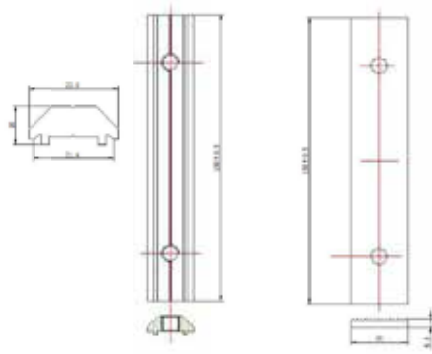
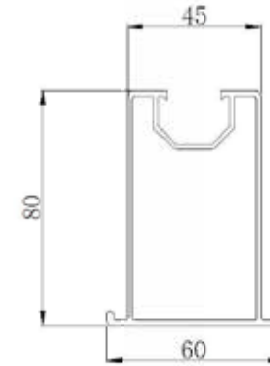
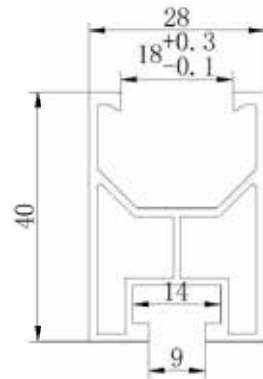
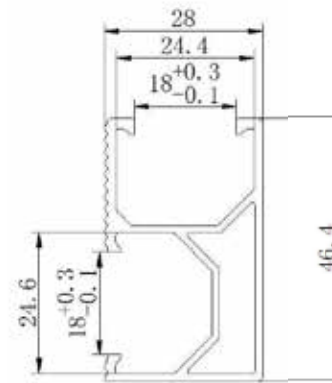
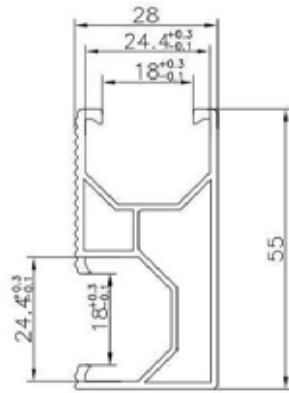
MEGA
MEGA INDUSTRY (THAILAND) CO., LTD

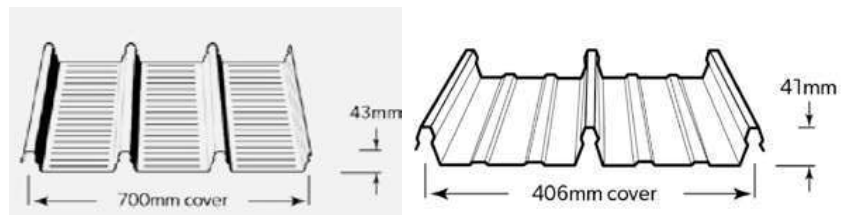
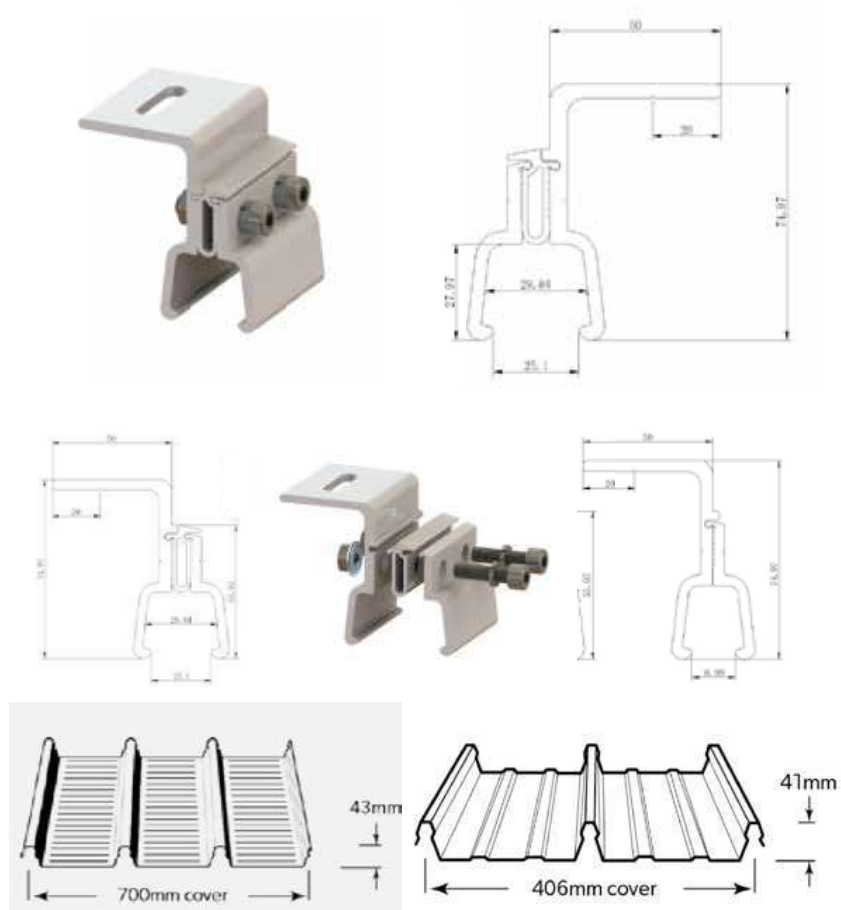
บริษัท เอสวาย คอนเนค (ประเทศไทย) จำกัด

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-14-

