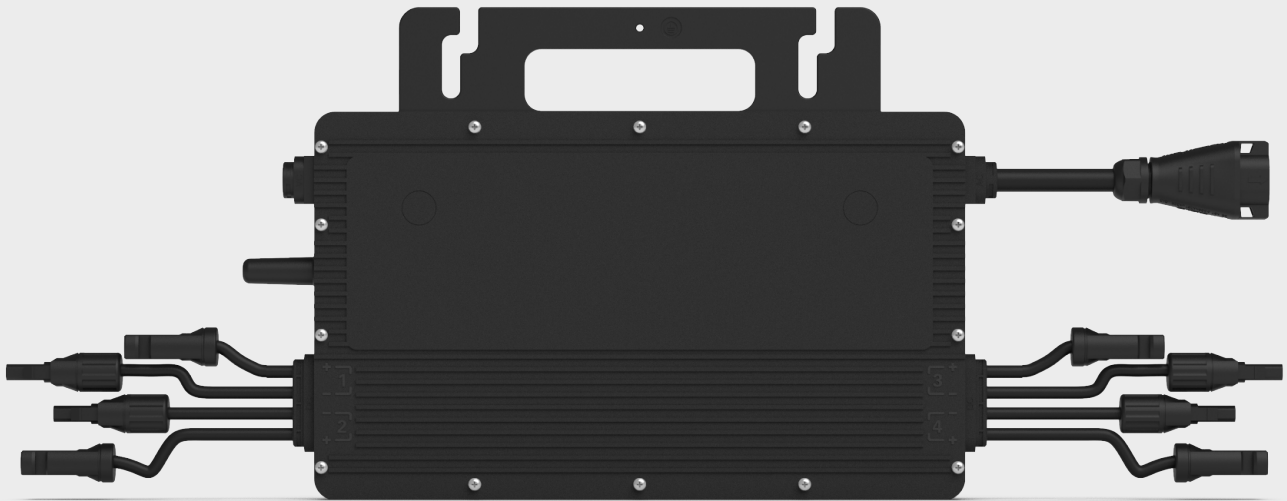


1. Micro Inverter

Brand : Hoymiles

Model : HMS-2000DW-4T



Microinverter Datasheet

HMS-1600DW-4T
HMS-1800DW-4T
HMS-2000DW-4T

Description

Hoymiles new generation microinverter HMS-2000DW series is designed to accommodate high-powered PV modules, with maximum output power up to 2000 VA and maximum DC input current up to 16 A.

The innovative 4-input design enables faster installation and lower cost, and makes the HMS-2000DW series a very cost-effective choice.

The integrated Wi-Fi module enables more convenient communications and simpler configurations between the microinverter and smart platform S-Miles Cloud.

Features

- 01 Built-in Wi-Fi module enables quicker and easier installation and commissioning
- 02 The industrial-grade Wi-Fi module brings higher microinverter reliability
- 03 With output power up to 2000 VA, compatible with 182 mm/210 mm PV module
- 04 4-in-1 design enables faster installation and lower cost
- 05 Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer
- 06 IP67 (NEMA 6) protection degree, adapt to outdoor use

Technical Specifications

Model	HMS-1600DW-4T			HMS-1800DW-4T			HMS-2000DW-4T		
Input Data (DC)									
Commonly used module power (W)	320 to 540+			360 to 600+			400 to 670+		
Maximum input voltage (V)	65								
MPPT voltage range (V)	16-60								
Minimum/Maximum Start-up voltage (V)	22/60								
Maximum input current (A)	4 × 14			4 × 15			4 × 16		
Maximum input short circuit current (A)	4 × 25								
Number of MPPTs	2								
Number of inputs per MPPT	2								
Output Data (AC)									
Rated output power (VA)	1600			1800			2000		
Rated output current (A)	7.27	6.96	6.67	8.18	7.83	7.50	9.09	8.70	8.33
Nominal output voltage (V)	220	230	240	220	230	240	220	230	240
Output voltage range (V) ¹	180-275								
Nominal frequency/range (Hz) ¹	50/45-55 or 60/55-65								
Power factor (adjustable)	> 0.99 default 0.8 leading ... 0.8 lagging								
Total harmonic distortion	< 3%								
Maximum units per 10 AWG branch ²	4	4	4	3	4	4	3	3	3
Efficiency									
CEC peak efficiency	96.70%			96.50%			96.50%		
Nominal MPPT efficiency	99.80%								
Night power consumption (mW)	< 50								
Mechanical Data									
Ambient temperature range (°C)	-40 to +65								
Dimensions (W × H × D [mm])	310 × 185 × 40.6								
Weight (kg)	4.5								
Enclosure rating	Outdoor-IP67 (NEMA 6)								
Cooling	Natural convection – No fans								
Features									
Communication	Wi-Fi								
Topology	Galvanically Isolated HF Transformer								
Monitoring	S-Miles Cloud ³								
Compliance	IEC 61727, IEC 62116, IEC 61683, IEC60068-2-1/-2/-14/-30, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3								

*1 Nominal voltage/frequency range can vary depending on local requirements.

*2 Refer to local requirements for exact number of microinverters per branch.

*3 Hoymiles Monitoring System

2.Data Transfer Unit (DTU)

Brand : Hoymiles

Model : DTU Pro-S



Data Transfer Unit Datasheet

DTU-Pro-S

Description

Hoymiles gateway DTU-Pro-S is a data transfer unit which collects information and data of PV microinverter using Sub-1G wireless solution and sends them to S-Miles Cloud, Hoymiles Monitoring Platform, using different communication options such as Ethernet, Wi-Fi or 4G.

With DTU-Pro-S, users can easily read module-level data and alarm, realize remote operation and maintenance of PV system at any time, from anywhere on S-Miles Cloud.

Features

- 01

Reliable and Flexible

 - Sub-1G wireless solution enables stable communication with HMS, HMT series of microinverter
 - More communication options with Ethernet, Wi-Fi or 4G
 - Support of RS485, Ethernet to communicate with peripherals

- 02

Simple and Efficient O&M

 - Module-level monitoring and data storage
 - Local configuration with S-Miles Toolkit
 - Support remote O&M including remote upgrading, parameter setting

- 03

Smart

 - Smart zero export control and power export limiting
 - PV generation and load consumption monitoring

Technical Specifications

Model	DTU-Pro-S (Wi-Fi Version)	DTU-Pro-S (4G Version)
Communication to Microinverter		
Signal	Sub-1G	
Maximum distance (open space)	400 m	
Monitoring data limit from solar panels ¹	99	
Communication to S-Miles Cloud		
Ethernet	RJ45 × 1, 100Mbps	
Wireless ²	Wi-Fi: 802.11b/g/n	4G: TDD-LTE, FDD-LTE 3G: SCMDMA 2G: GSM/GPRS
Sample rate	Per 15 minutes	
Communication to Peripherals		
RS485	COM × 1, 9600bps, Modbus-RTU	
Ethernet	RJ45 × 1, Modbus-TCP	
DRM (For AU/NZ only)	RJ45 × 1, DRM0/5/6/7/8	
Interaction		
LED	LED Indicator × 4 – RUN, Cloud, MI, ALM	
APP	S-Miles Toolkit	
Power Supply (Adapter)		
Type	External adapter	
Adapter input voltage/frequency	100 to 240 V AC/50 or 60 Hz	
Adapter output voltage/current	5 V/2 A	
Power consumption	Typ. 1.5 W / Max. 3.0 W	Typ. 2.5 W / Max. 5.0 W
Mechanical Data		
Ambient temperature (°C)	-20 to +55	
Dimensions (W × H × D mm)	200 × 101 × 29 (without antennas)	
Weight (kg)	0.20	
Installation method	Wall mounting / Desktop mounting	
Environmental rating	Indoor-IP20	
Compliance		
Certificates	CE, FCC, IC, RCM, Anatel	
Microinverter Compatibility		
Microinverter model	HMS series, HMT series	

*1 This depends on the installation environment. Please refer to user manual for more details.

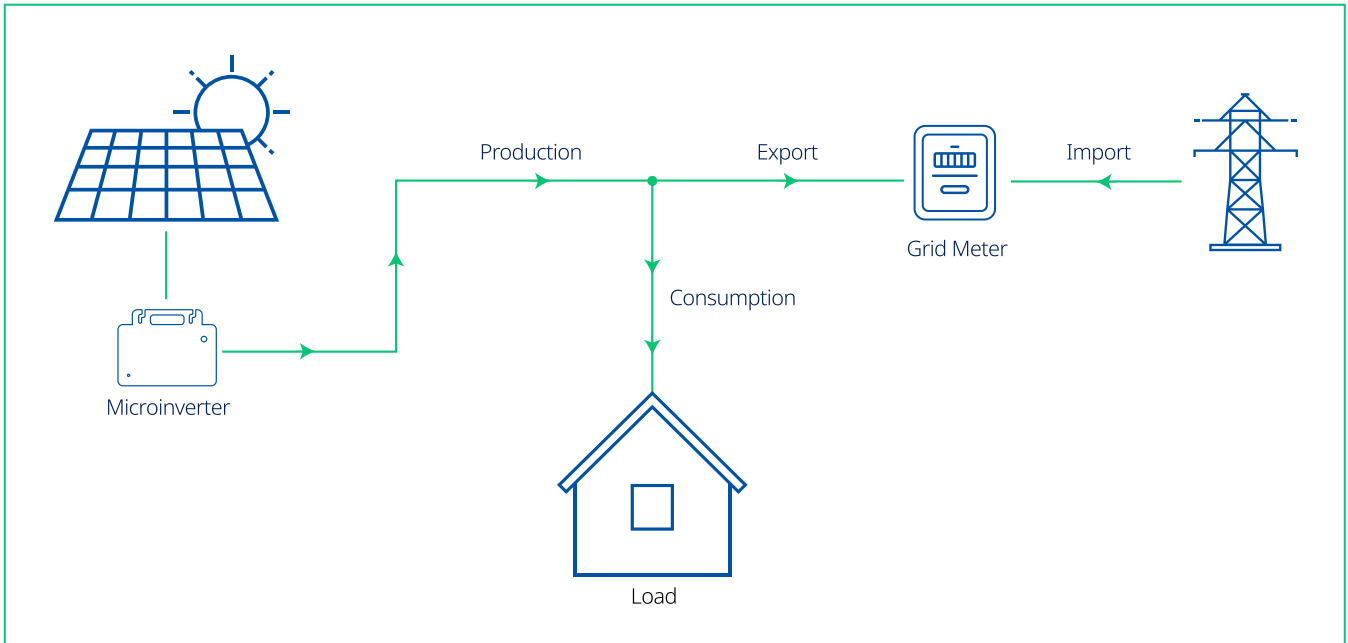
*2 Extended antenna is recommended if the DTU is installed inside a metal box or under a metal/concrete roof.

3.Smart Power Meter For Zero Export

Brand : Chint

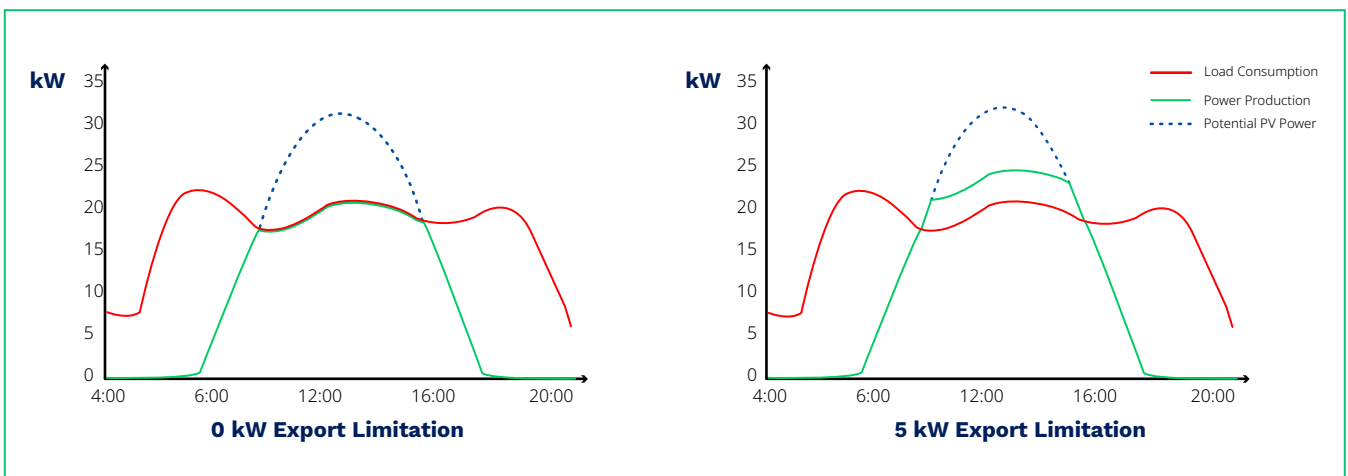
Model : DTSU666 (For Hoymiles)

Smart Power Export Management System



The Hoymiles Smart Power Export Management can intelligently control the output power of the photovoltaic system, and maximize the user's power generation profits without violating grid export regulations. At the same time, this system can also accurately display the power and production of the photovoltaic system with the measuring meter, so that users can trade the PV production online according to data on S-Miles Cloud.

In Hoymiles Export Management solution, Hoymiles gateway DTU-Pro (or DTU-Pro-S) and additional meter (CT optional) are necessary. In the case of export limitation, the meter can be installed at the load side or the grid side. As shown below, the gateway DTU will dynamically adjust the PV power production according to the export power or load consumption as measured by the meter, so that the export power does not exceed the preset limit. To display the PV production in an accurate way, the meter needs to be installed at the output of the PV system to enable the user to get the PV power production remotely.



Load consumption and PV production curves throughout the day

System Composition



DTU-Pro/DTU-Pro-S

As the control center of export management solution, DTU receives data from the meter and adjusts the output power of the microinverters.



Single-phase electric meter

Single-phase electric meter can be directly connected to the circuit and used to measure the PV power production, load consumption and export power.

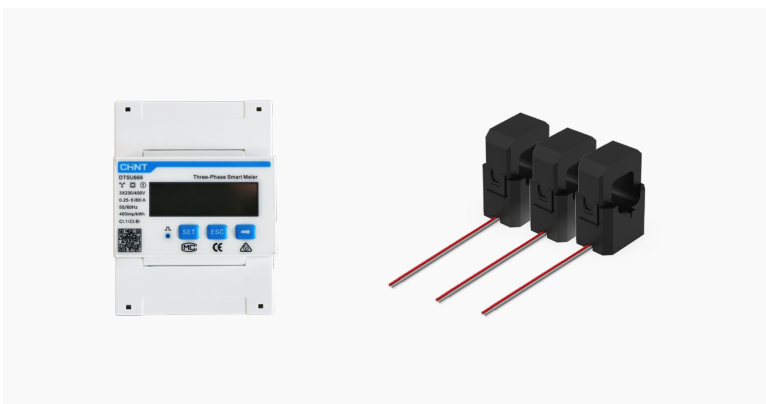
Suitable for single-phase power grid



Three-phase electric meter

Three-phase electric meter can be directly connected to the circuit and used to measure the PV power production, load consumption and export power.

Suitable for three-phase and split-phase power grid



Three-phase electric meter (Via Current Transformer)

When the meter cannot be directly connected to the circuit or the system capacity is a little higher, a three-phase meter with the external current transformer is preferred.

Suitable for three-phase and split-phase power grid

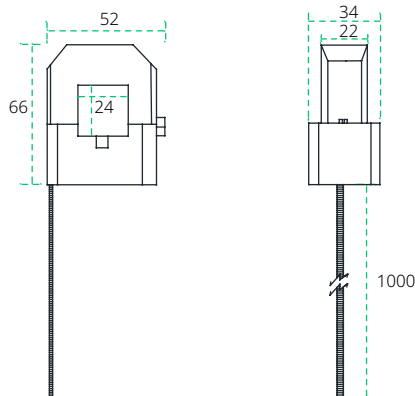
Technical Specifications

Model (Meter)	DDSU666	DDSU666	DTSU666 (Via-CT)
Power Supply			
Grid type	1P2W		3P4W
Input voltage (phase voltage)		176 Vac-288 Vac	
Power consumption (W)		≤ 1.5	
Measuring Range			
Phase voltage		176 Vac-288 Vac	
Current (A)		0-80	0-100/300/600 ¹
Measuring Accuracy			
Voltage		±0.5%	±0.5%
Current/Power		±0.5%	±1%
Energy		±0.5%	±1%
Communication			
Interface		RS485	
Communication protocol		Modbus-RTU	
Mechanical Data			
Wiring type		Direct-Connect	Via-CT ¹
Ambient temperature range (°C)		-25 to 55	
Dimensions (W×H×D mm)	36 x 100 x 65.5		72 x 100 x 65.5
Mounting type		DIN35 Rail	

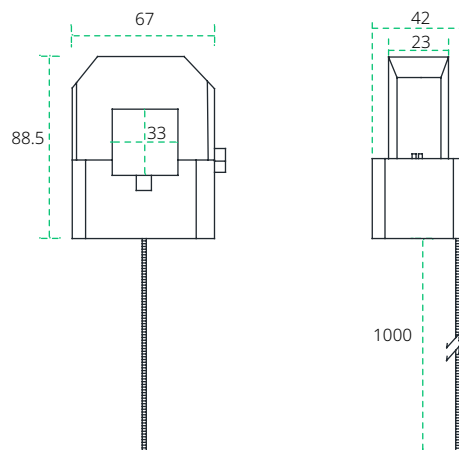
*1:Needs to be used with the current transformers provided by Hoymiles.

Model (CT)	CT-100A/5A-1m	CT-300A/5A-1m	CT-600A/5A-1m
Electrical Specification			
Rated primary current (A)	100	300	600
Rated secondary current (A)		5	
Accuracy class	2%@10%I _{rated}	1%@5%I _{rated}	
Measuring range		5%I _{rated} -120%I _{rated}	
Working frequency (Hz)		50/60	
Mechanical Data			
Thread		Single turn	
Install		Buckle	
Ambient temperature range (°C)		-25 to 65	
Dimensions(W×H×D mm)		52 x 66 x 34	67 x 88.5 x 47
Conductor length (m)		1	

Unit: mm



CT-100A/5A-1m / CT-300A/5A-1m



CT-600A/5A-1m

4.Solar Panel

Brand : LONGI

Model : LR5-72HPH-550M

Hi-MO 5m

LR5-72HPH 530~550M

- Based on M10-182mm wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer
 - Smart Soldering
 - 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- High module quality ensures long-term reliability

12

12-year Warranty for Materials and Processing

25

25-year Warranty for Extra Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

ISO 45001: 2018: Occupational Health and Safety

LONGI



21.5%
MAX MODULE
EFFICIENCY

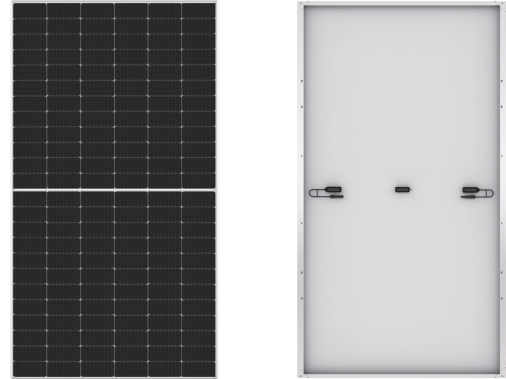
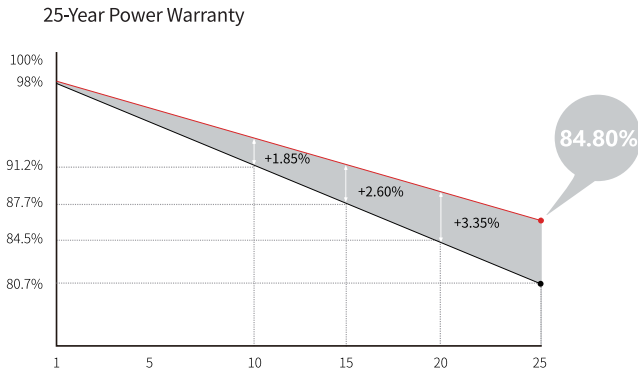
0~+5W
POWER
TOLERANCE

<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

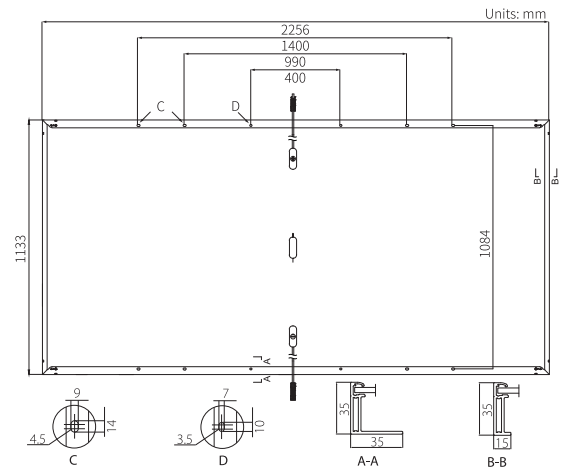
HALF-CELL
Lower operating temperature

Additional Value



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.2kg
Dimension	2256×1133×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 620pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	LR5-72HPH-530M		LR5-72HPH-535M		LR5-72HPH-540M		LR5-72HPH-545M		LR5-72HPH-550M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	530	530	535	399.5	540	403.3	545	407.0	550	410.7
Open Circuit Voltage (Voc/V)	49.20	49.20	49.35	46.26	49.50	46.41	49.65	46.55	49.80	46.69
Short Circuit Current (Isc/A)	13.71	13.71	13.78	11.15	13.85	11.20	13.92	11.25	13.98	11.31
Voltage at Maximum Power (Vmp/V)	41.35	41.35	41.50	38.64	41.65	38.78	41.80	38.92	41.95	39.06
Current at Maximum Power (Imp/A)	12.82	12.82	12.90	10.34	12.97	10.40	13.04	10.46	13.12	10.52
Module Efficiency(%)	20.7		20.9		21.1		21.3		21.5	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C

5.AC Breaker (RCBO,Residual Current Circuit Breakers)

Brand : iPower/TIS.

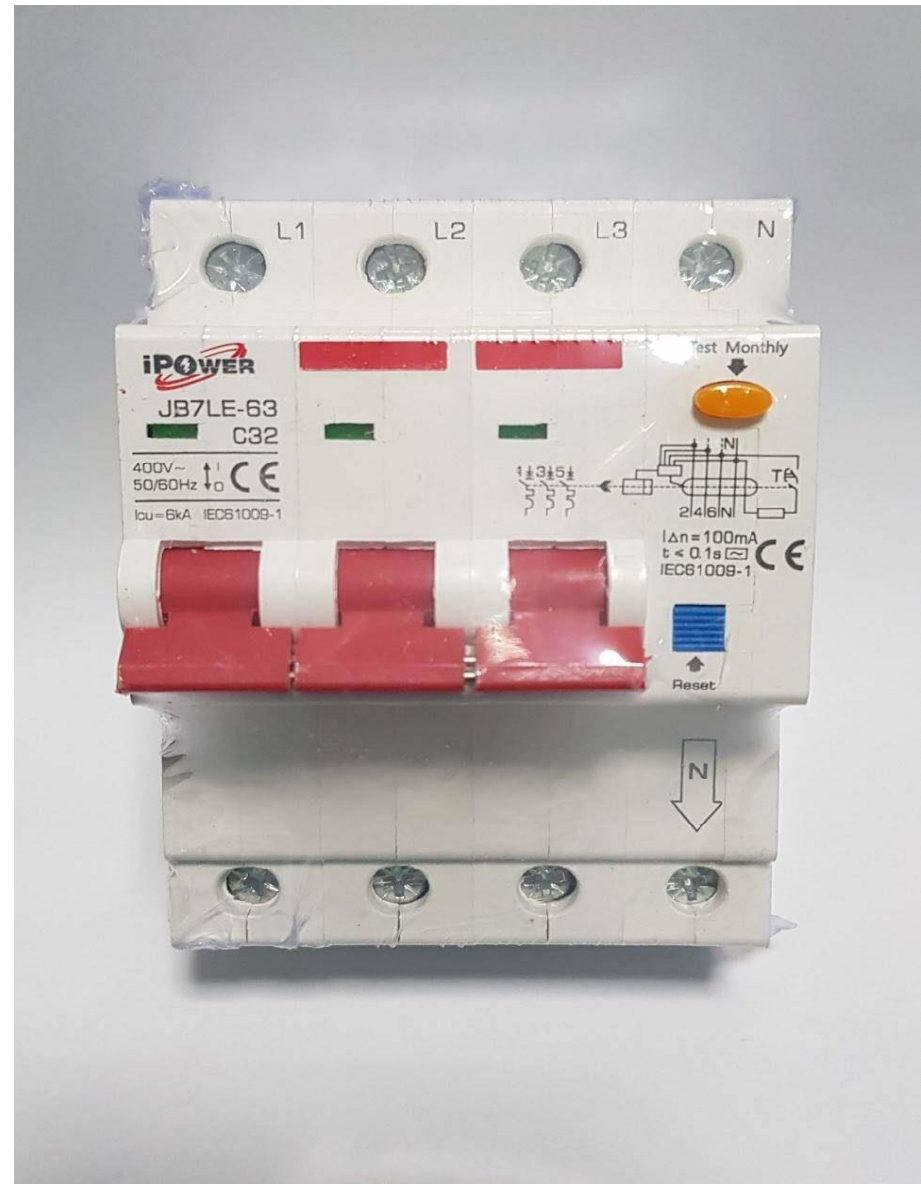
Model : RCBO2P,4P

AC Breaker (RCBO, Residual Current Circuit Breakers)

RCBO 1 Phase (2P)



RCBO 3 Phase (4P)



6.AC Surge Protection

Brand : iPower/TIS.

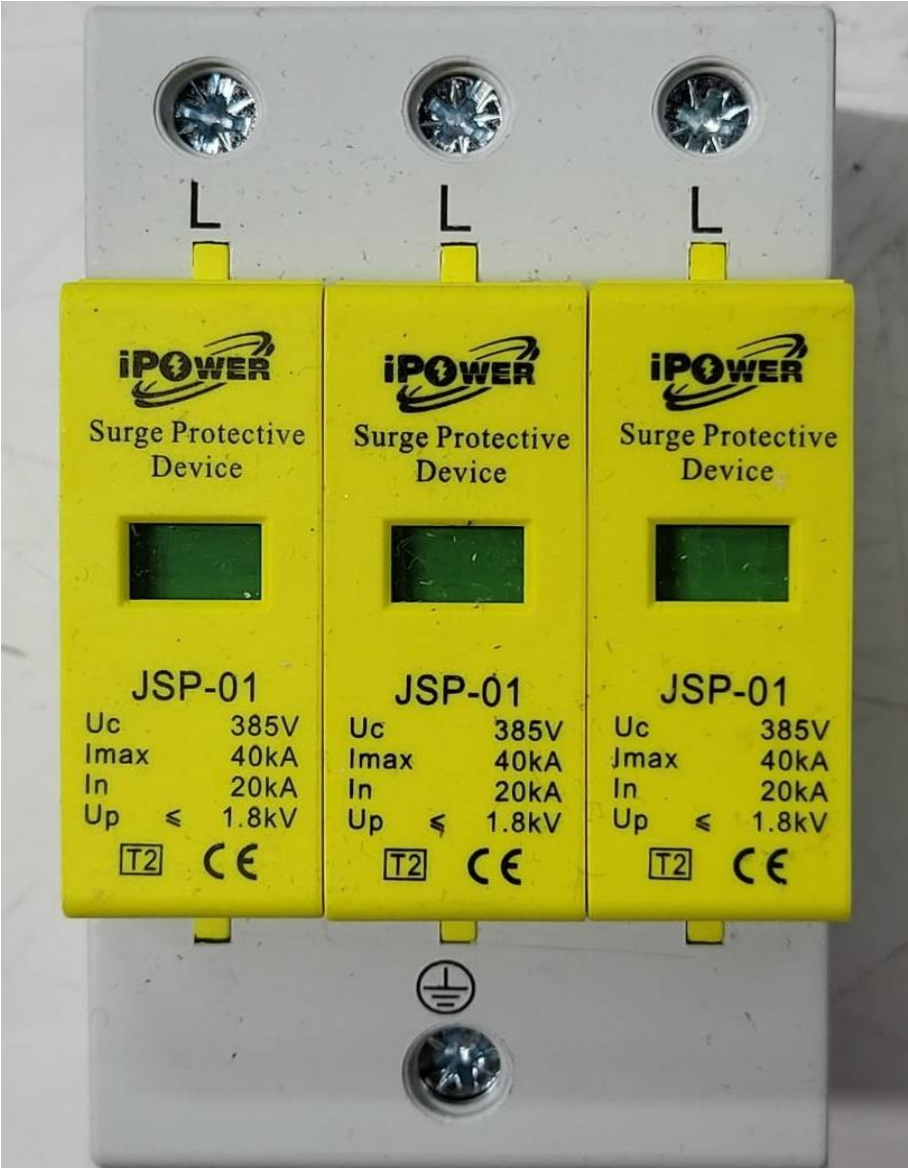
Model : AC Surge2P,4P

AC Surge Protection

AC Surge Protection 1 Phase (2P)



AC Surge Protection 3 Phase (4P)



7.AC Panel Board

Brand : TIS.

Model

AC Panel Board



8.PV Cable

Brand : LINK

Model : CB-1040X



SOLAR CABLE

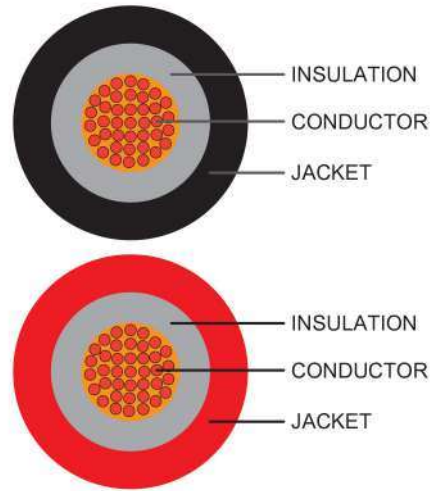
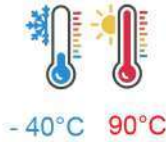
CATALOG 2020-2021





SOLAR CABLE

(Photovoltaic Cable)



STANDARD

- EN 50618:2014
- IEC 62930:2017
- EN 60288, Class 5
- DIN VDE 0295 Class 5
- TÜV Approvals
- 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 Ω
Electrical tests	according EN50618:2014

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 EN 60288 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

TECHINCAL SPECIFICATION

Size (mm ²)	Conductor Diameter (N/mm)	Insulation Thickness (mm)	Insulation Diameter (mm)	Jacket Thickness (mm)	Jacket Diameter (mm)	Conductor Resistance at 20°C (Ω/km)	Insulation Resistance at 20°C (MΩ/km)	Rated Current at 60°C (A)
2.5	50/0.25	0.80	3.65±0.2	0.80	5.80±0.3	≤ 8.21	≥ 690	41
4	56/0.30	0.80	4.20±0.2	0.80	6.05±0.3	≤ 4.85	≥ 580	55
6	84/0.30	0.80	4.90±0.2	0.80	6.50±0.3	≤ 3.10	≥ 500	70
10	84/0.4	0.80	5.75±0.2	0.80	8.66±0.3	≤ 1.95	≥ 420	98
16	126/0.4	0.80	7.55±0.2	0.90	10.10±0.3	≤ 1.24	≥ 340	132

ORDER INFORMATION

Part Number	Description	Length	Package
CB-1025X	Solar Cable, H1Z2Z2-K, (1.5/1.5KV DC), 1x2.5 mm ² , (Black or Red)	100/1000 m	Box./Roll.
CB-1040X	Solar Cable, H1Z2Z2-K, (1.5/1.5KV DC), 1x4 mm ² , (Black or Red)	100/1000 m	Box./Roll.
CB-1060X	Solar Cable, H1Z2Z2-K, (1.5/1.5KV DC), 1x6 mm ² , (Black or Red)	100/1000 m	Box./Roll.
CB-1100X	Solar Cable, H1Z2Z2-K, (1.5/1.5KV DC), 1x10 mm ² , (Black or Red)	100/1000 m	Box./Roll.
CB-1160X	Solar Cable, H1Z2Z2-K, (1.5/1.5KV DC), 1x16 mm ² , (Black or Red)	100/1000 m	Box./Roll.

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

Add "-1" at the end of the P/N = 100 m / Box.

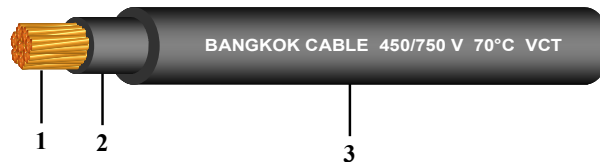
9.IVCT Cable Cable

Brand : BCC

Model : 450/750 V 70°C VCT

450/750 V 70°C VCT

1 CORE - PVC INSULATED AND SHEATHED CABLE ROUND TYPE, FLEXIBLE CONDUCTOR



Construction

1. Conductor : Bunch stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC), Black colour
3. Sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

TIS 11 Part 101-2553



Classification

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

Application

- Use for general purpose
- Use for connecting electric appliance
- Laid on cable trays
- Install in duct in ground or direct burial in ground

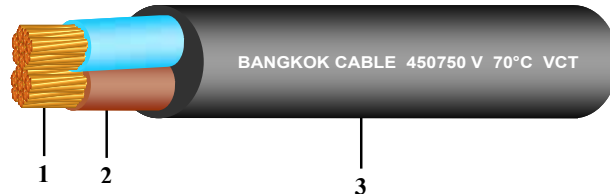
Products code	Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	Insulation resistance at 70°C	Current rating in free air	Cable weight	Standard length
	Cross-sectional area	Dia. of wires	Diameter							
	mm ²	mm (Max.)	mm (Approx.)	mm	mm	mm (Approx.)	MΩ.km (Min.)	A	kg/km (Approx.)	m
C6P201374012	4	0.31	2.59	0.9	1.4	8.6	0.0084	30	93	100/C
C6P201384012	6	0.31	3.60	0.9	1.4	9.4	0.0071	39	120	100/C
C6P201394011	10	0.41	4.79	1.1	1.8	12.0	0.0068	51	210	500/D
C6P201404011	16	0.41	5.88	1.1	1.8	13.5	0.0050	73	280	500/D
C6P201414011	25	0.41	7.32	1.3	2.2	16.0	0.0048	97	420	500/D
C6P201424011	35	0.41	8.61	1.3	2.2	17.5	0.0041	140	540	500/D

C = Packing in coil

D = Packing in drum

450/750 V 70°C VCT


2 CORES - PVC INSULATED AND SHEATHED CABLE ROUND TYPE, FLEXIBLE CONDUCTOR



Construction

- 1. Conductor : Bunch stranded annealed copper
- 2. Insulation : Polyvinyl chloride (PVC)
Colour code : Light Blue, Brown
- 3. Sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

TIS 11 Part 101-2553 

Classification

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

Application

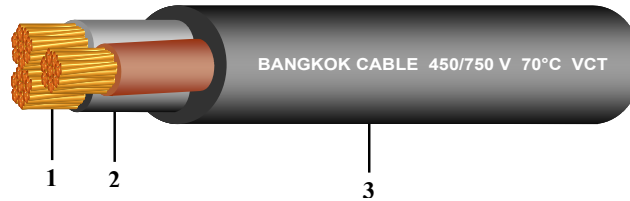
- Use for general purpose
- Use for connecting electric appliance
- Laid on cable trays
- Install in duct in ground or direct burial in ground

Products code	Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	Insulation resistance at 70°C	Current rating in free air	Cable weight	Standard length
	Cross-sectional area	Dia. of wires	Diameter							
	mm ²	mm (Max.)	mm (Approx.)	mm	mm	mm (Approx.)	MΩ.km (Min.)	A	kg/km (Approx.)	m
C6P202374012	4	0.31	2.59	0.9	1.6	14.5	0.0084	30	250	100/C
C6P202384012	6	0.31	3.60	0.9	1.6	16.0	0.0071	39	340	100/C
C6P202394011	10	0.41	4.79	1.1	1.8	20.0	0.0068	51	540	500/D
C6P202404011	16	0.41	5.88	1.1	2.2	23.0	0.0050	73	770	500/D
C6P202414011	25	0.41	7.32	1.3	2.4	27.5	0.0048	97	1,130	500/D
C6P202424011	35	0.41	8.61	1.3	2.6	31.0	0.0041	140	1,470	500/D

C = Packing in coil
 D = Packing in drum

450/750 V 70°C VCT

3 CORES - PVC INSULATED AND SHEATHED CABLE ROUND TYPE, FLEXIBLE CONDUCTOR



Construction

1. Conductor : Bunch stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)
Colour code : Brown, Black, Grey
3. Sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

TIS 11 Part 101-2553



Classification

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

Application

- Use for general purpose
- Use for connecting electric appliance
- Laid on cable trays
- Install in duct in ground or direct burial in ground

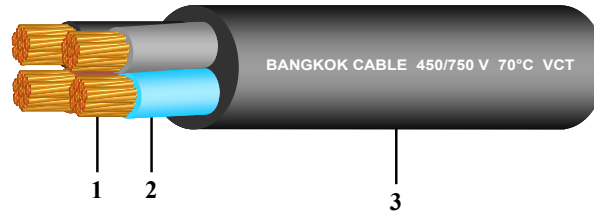
Products code	Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	Insulation resistance at 70°C	Current rating in free air	Cable weight	Standard length
	Cross-sectional area	Dia. of wires	Diameter							
	mm ²	mm (Max.)	mm (Approx.)	mm	mm	mm (Approx.)	MΩ.km (Min.)	A	kg/km (Approx.)	m
C6P203374012	4	0.31	2.59	0.9	1.6	15.5	0.0084	26	300	100/C
C6P203384012	6	0.31	3.60	0.9	1.8	17.5	0.0071	34	420	100/C
C6P203394011	10	0.41	4.79	1.1	2.0	21.5	0.0068	47	670	500/D
C6P203404011	16	0.41	5.88	1.1	2.4	25.0	0.0050	63	960	500/D
C6P203414011	25	0.41	7.32	1.3	2.6	30.0	0.0048	83	1,420	500/D
C6P203424011	35	0.41	8.61	1.3	2.8	33.5	0.0041	102	1,860	500/D

C = Packing in coil

D = Packing in drum

450/750 V 70°C VCT

4 CORES - PVC INSULATED AND SHEATHED CABLE ROUND TYPE, FLEXIBLE CONDUCTOR



Construction

1. Conductor : Bunch stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)
Colour code : Light Blue, Brown, Black, Grey
3. Sheath : Polyvinyl chloride (PVC), Black colour

Reference Standard :

TIS 11 Part 101-2553



Classification

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

Application

- Use for general purpose
- Use for connecting electric appliance
- Laid on cable trays
- Install in duct in ground or direct burial in ground

Products code	Conductor			Thickness of insulation	Thickness of sheath	Overall diameter	Insulation resistance at 70°C	Current rating in free air	Cable weight	Standard length
	Cross-sectional area	Dia. of wires	Diameter							
	mm ²	mm (Max.)	mm (Approx.)	mm	mm	mm (Approx.)	MΩ.km (Min.)	A	kg/km (Approx.)	m
C6P204374012	4	0.31	2.59	0.9	1.8	17.0	0.0084	26	380	100/C
C6P204384012	6	0.31	3.60	0.9	2.0	19.5	0.0071	34	540	100/C
C6P204394011	10	0.41	4.79	1.1	2.2	24.0	0.0068	47	860	500/D
C6P204404011	16	0.41	5.88	1.1	2.6	28.0	0.0050	63	1,220	500/D
C6P204414011	25	0.41	7.32	1.3	2.8	33.0	0.0048	83	1,800	500/D
C6P204424011	35	0.41	8.61	1.3	3.1	37.0	0.0041	102	2,380	500/D

C = Packing in coil

D = Packing in drum

10.PVC Conduit And Accessories

Brand : TIS.

Model :

ท่อร้อยสายไฟ ยูพีวีซี สีขาว Rigid uPVC Conduit



รหัสสินค้า	รายละเอียดสินค้า		ราคา(บาท)	
	Diameter(inch)	Length(m.)	Unit Packing	
1515W (3/8")	3/8"	4	50	38.00.-
1518W (1/2")	1/2"	4	25	45.50.-
1520W (3/4")	3/4"	4	20	55.00.-
1525W (1")	1"	4	10	104.00.-
1540W (1 1/2")	1 1/2"	4	10	196.00.-
1555W (2")	2"	4	10	276.00.-

ข้อต่อท่อร้อยสายไฟฟ้า ยูพีวีซี สีขาว Connectors



รหัสสินค้า	รายละเอียดสินค้า		ราคา(บาท)
	Diameter(inch)	Unit Packing	
U258/15+U281/15W	3/8"	70/700	3.25.-
U258/18+U281/18W	1/2"	60/600	3.60.-
U258/20+U281/20W	3/4"	50/500	4.20.-

ข้อต่อกลางทางสีขาว Couplings



รหัสสินค้า	รายละเอียดสินค้า		ราคา(บาท)
	Diameter(inch)	Unit Packing	
U242/15W	3/8"	100/1,000	2.40.-
U242/18W	1/2"	50/500	2.90.-
U242/20W	3/4"	30/300	3.70.-
U242/25W	1"	18/180	6.10.-
U242/40W	1 1/2"	37/74	11.70.-
U242/55W	2"	24/48	18.30.-

ตัวยึดท่อร้อยสายไฟฟ้า ยูพีวีซี สีขาว Mounting Clips



รหัสสินค้า	รายละเอียดสินค้า		ราคา(บาท)
	Diameter(inch)	Unit Packing	
U280/15W	3/8"	200/2,000	2.00.-
U280/18W	1/2"	200/2,000	2.25.-
U280/20W	3/4"	200/2,000	2.50.-

ใบอนุญาตที่..... 2626-105/216



ใบอนุญาต

แสดงเครื่องหมายมาตรฐานกับผลิตภัณฑ์อุตสาหกรรม

อาศัยอำนาจตามความในพระราชบัญญัติมาตรฐานผลิตภัณฑ์อุตสาหกรรม พ.ศ. ๒๕๑๑

เลขานุการสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

ออกใบอนุญาตฉบับนี้ให้

บริษัท ยู-การผลิต จำกัด

เลขประจำตัวผู้เสียภาษีอากร 0105536093541

แสดงเครื่องหมายมาตรฐานกับผลิตภัณฑ์อุตสาหกรรม..... ท่อพีวีซีแข็งสำหรับใช้ร้อยสายไฟฟ้าและสายโทรศัพท์

ที่ทำถูกต้องตามมาตรฐานผลิตภัณฑ์อุตสาหกรรม..... ท่อพีวีซีแข็งสำหรับใช้ร้อยสายไฟฟ้าและสายโทรศัพท์

มาตรฐานเลขที่ มอก. 216-2524

เครื่องหมายการค้า.....

ทำที่โรงงานชื่อ บริษัท ยู-การผลิต จำกัด

ตั้งอยู่ที่อาคารเลขที่ 999/9 ตรอก/ซอย.....

ถนน สุขุมวิท หมู่ที่ ตำบล/แขวง ทั่วไป อำเภอ/เขต..... เมืองระยอง

จังหวัด..... ระยอง ทะเบียนโรงงานเลขที่ จ 3 - 53 (5) - 67/59 รย

มีรายการ ดังต่อไปนี้

(๑) รายละเอียดแนบท้ายใบอนุญาต แสดงไว้ในลำดับที่ ๒

(๒) บันทึกการเปลี่ยนแปลงต่างๆ แสดงไว้ในลำดับที่ ๓

ทั้งนี้ ต้องปฏิบัติตามเงื่อนไขในการอนุญาตที่เลขานุการกำหนด

ออกให้ ณ วันที่ 30 ส.ค. 2561 พ.ศ.....

(นายสุรณ ชีคมเขต)

รองเลขาธิการ ปฏิบัติราชการแทน

เลขาธิการสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

สำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

กระทรวงอุตสาหกรรม

คำเตือน

ผู้รับใบอนุญาตต้องปฏิบัติตามเงื่อนไขที่เลขานุการกำหนด

รายละเอียดแนบท้ายใบอนุญาตแสดงเครื่องหมายมาตรฐานกับผลิตภัณฑ์อุตสาหกรรม

ผู้รับใบอนุญาต บริษัท ยู-การผลิต จำกัด

ใบอนุญาตที่ 2626-105/216

รายการที่	รายละเอียดของผลิตภัณฑ์อุตสาหกรรมที่ได้รับอนุญาต (โดยระบุประเภท/ แบบ/ ขนาด/ ชั้น/ และอื่นๆ)
1	<p>ชั้นคุณภาพ 1 ซึ่งขนาด 15 18 20 25 35 40 และ 55</p> <p style="text-align: right;"> กมลพ (นางกมลวรรณ คำเลิศวัฒน์) ผู้อำนวยการกองควบคุมมาตรฐาน พนักงานเจ้าหน้าที่ วันที่ 30 ส.ค. 2561 </p>

บันทึกการเปลี่ยนแปลงต่างๆ

ผู้รับใบอนุญาต บริษัท ยู-การผลิต จำกัด

ใบอนุญาตที่ 2626-105/216

ครั้งที่	การเปลี่ยนแปลงเกี่ยวกับผู้รับใบอนุญาต
1	ไม่มี <p style="text-align: right;">กมลพร (นางกมลวรรณ ฉ่ำเลิศวัฒน์) ผู้อำนวยการกองควบคุมมาตรฐาน พนักงานเจ้าหน้าที่ วันที่ 30 ส.ค. 2561</p>