



APsystems DS&QT&ECU(APAC) Accessories

Rev 1.7

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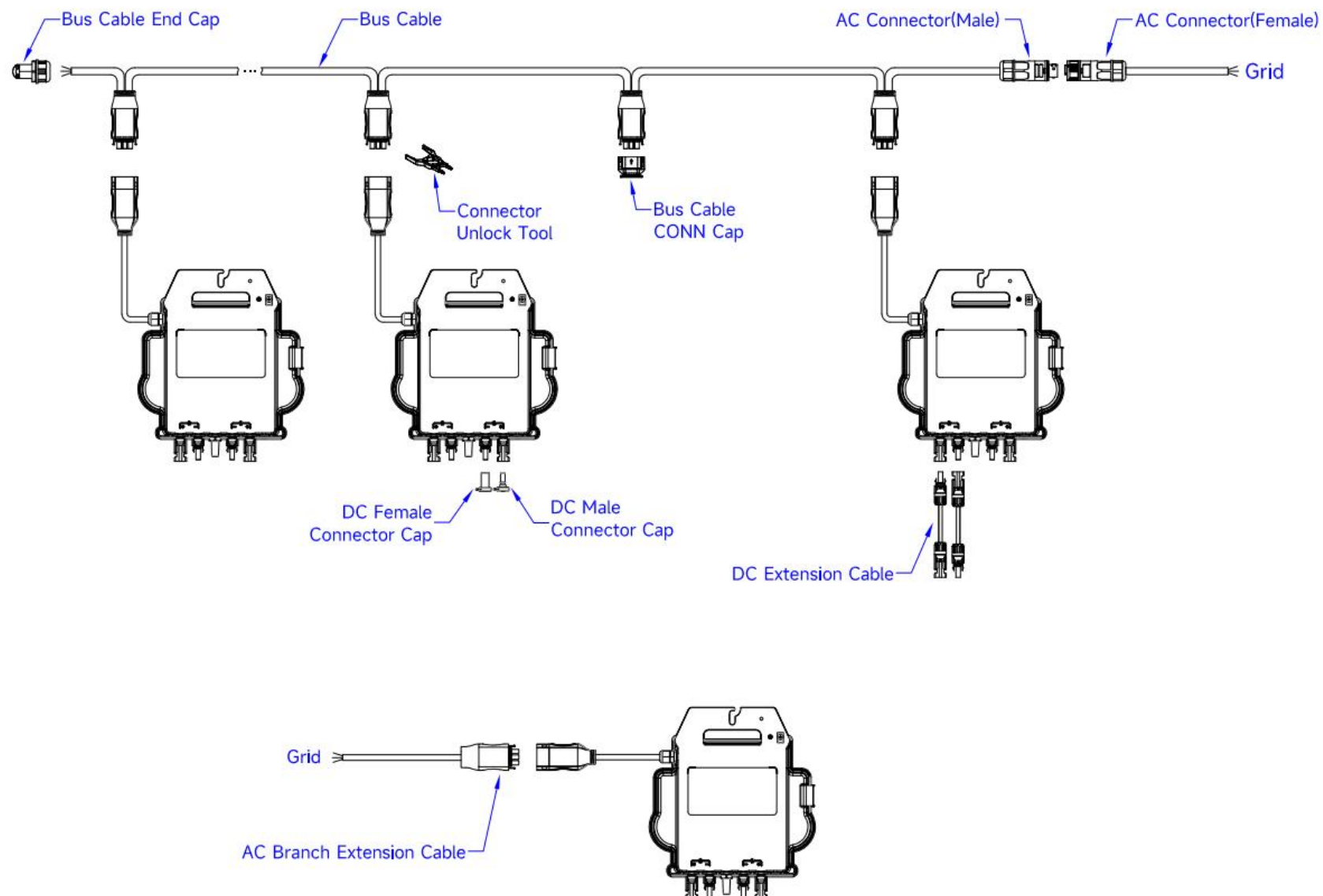
Contents

DS3 Series Accessories	3
1. Wiring Diagram	3
2. Dimensions	4
3. Accessories Summary	5
4. Physical Picture	6
5. Accessories information	7
DS3D Accessories	23
1. Wiring Diagram	23
2. DS3D Dimensions	24
3. Accessories Summary	25
4. Physical Picture	26
5. Accessories information	27
QT2 Accessories	28
1. Wiring Diagram	28
2. QT2 Dimensions	29
3. Accessories Summary	30
4. Physical Picture	31
5. Accessories information	32
QT2D(3C) Accessories	45
1. Wiring Diagram	45
2. QT2D(3C) Dimensions	46
3. Accessories Summary	47
4. Physical Picture	48
5. Accessories information	49
QT2D(5C) Accessories	52
1. Wiring Diagram	52
2. QT2D(5C) Dimensions	53
3. Accessories Summary	54
4. Physical Picture	55
ECU-C Accessories	56
1. Wiring Diagram	56

2. ECU-C Dimensions	57
3. Accessories Summary	57
4. Physical Picture	58
5. Accessories information	59
ECU-R Accessories	64
1. Wiring Diagram	64
2. ECU-R Dimensions	65
3. Accessories Summary	65
4. Physical Picture	66
5. Accessories information	67
ECU-B Accessories	72
1. Wiring Diagram	72
2. ECU-B Dimensions	73
3. Accessories Summary	73
4. Physical Picture	74

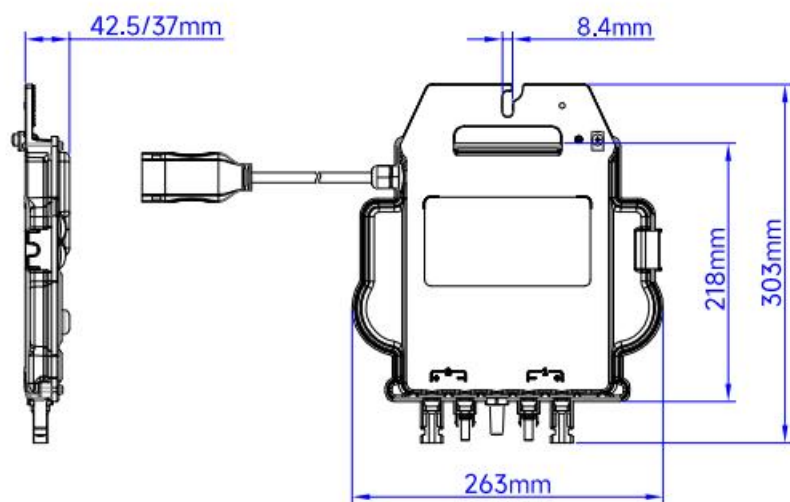
DS3 Series Accessories

1. Wiring Diagram

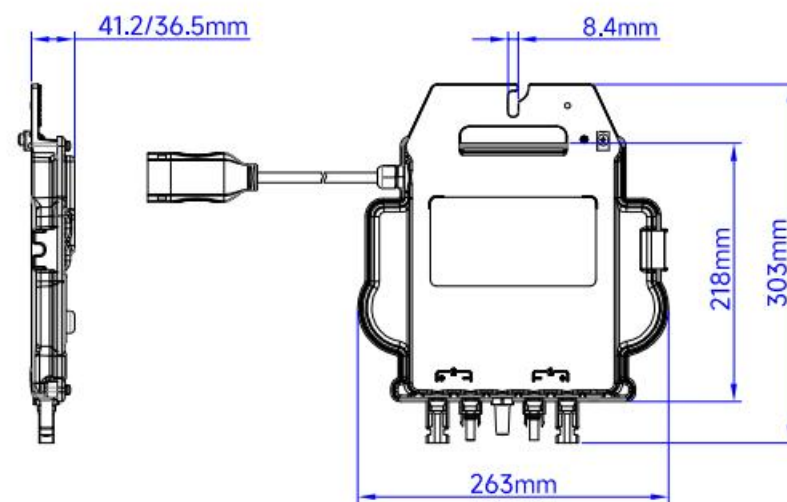


2. Dimensions

DS3/DS3-H Dimensions



DS3-L/DS3-M/DS3-S Dimensions



3. Accessories Summary

Region		Accessories									
		Bus Cable (Mandatory)	AC Branch Extension Cable (Optional)	Bus Cable End Cap (Mandatory)	Bus Cable CONN Cap (Optional)	Connector Unlock Tool (Mandatory)	DC Male Connector Cap (Optional)	DC Female Connector Cap (Optional)	AC Connector (Male) (Optional)	AC Connector (Female) (Optional)	DC Extension Cable (Optional)
APAC	Taiwan Philippines	2322301303_Split Phase Bus Cable (12AWG,TC,2m)	2334075242_ Split Phase Br. Ext-cable (18AWG,TC, 2m) (See Pic. B)	2060700017_ 3-wire Bus Cable End Cap (See Pic. C)	2061702007_ Bus Cable Y-CONN Cap (See Pic. D)	2355000003_ Y3-DC Connector Unlock Tool (See Pic. E)	2060401006_ DC Male Connector Cap (MC4) (See Pic. F)	2060402006_ DC Female Connector Cap (MC4) (See Pic. G)	2300931212_ AC Connector (3 core, two seals, male) (See Pic. H)	2300932212_ AC Connector (3 core, two seals, female) (See Pic. I)	2310310274_1m DC Extension Cable (MC4) 2310360214_2m DC Extension Cable (MC4) 2310360224_3m DC Extension Cable (MC4) (See Pic. J)
		2322600403_Split Phase Bus Cable (10AWG,TC,2.4m) (See Pic. A)									
	Sri Lanka Thailand -THA: 117057 Vietnam Indonesia	2322304903_Single Phase Bus Cable (2.5mm², H07,2m)	2334076132_ Single Phase Br. Ext-cable (2.5mm²,1m) (See Pic. B)								
		2322601403_Single Phase Bus Cable (4mm², H07,2.4m) (See Pic. A)									

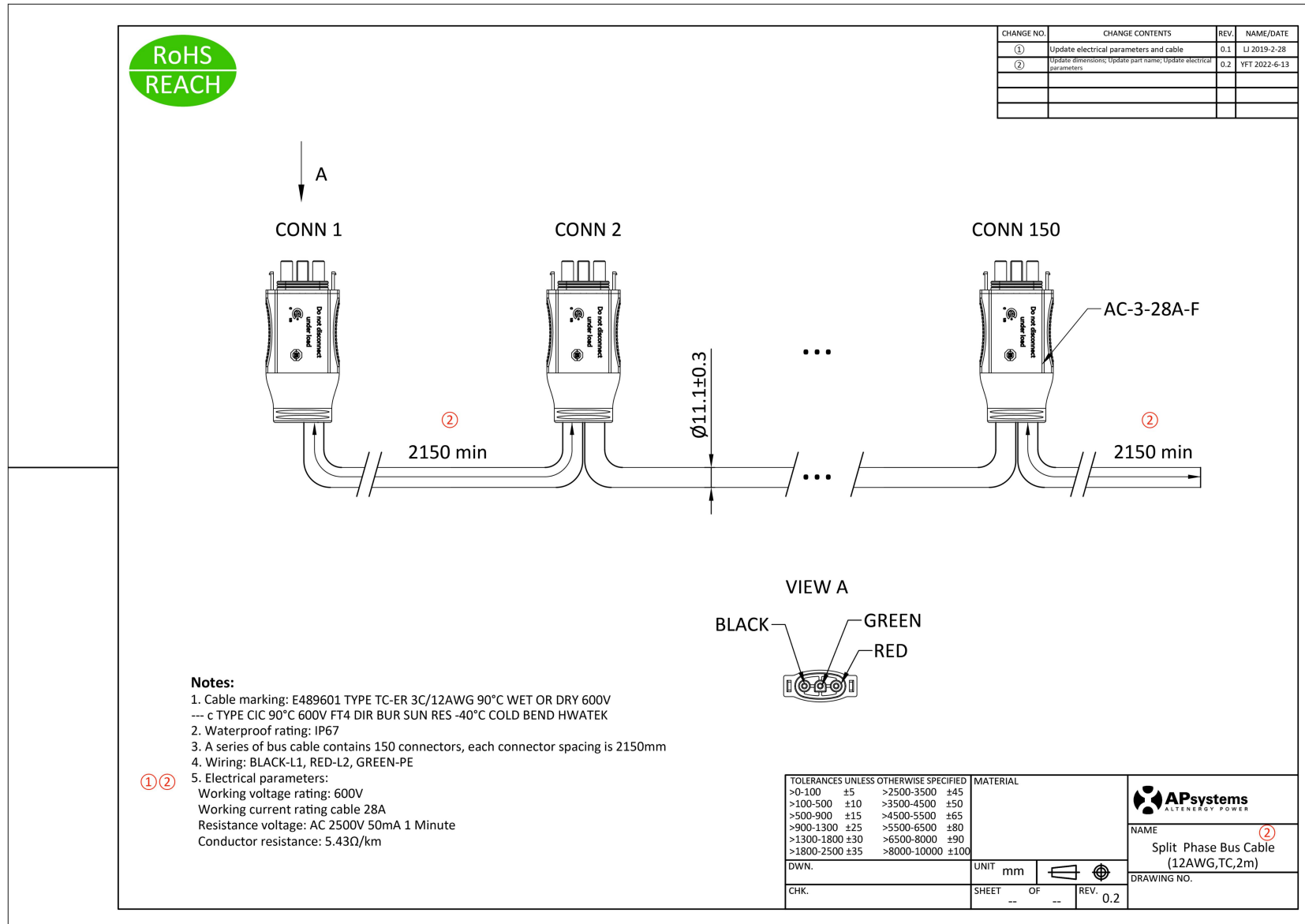
Notes: The cables in this table are recommended by APsystems, and the O.D. and length of the cable can be customized according to customer needs.

4. Physical Picture

Bus Cable	AC Branch Extension Cable	Bus Cable End Cap	Bus Cable CONN Cap	Connector Unlock Tool	DC Male Connector Cap
					
Pic. A	Pic. B	Pic. C	Pic. D	Pic. E	Pic. F
DC Female Connector Cap	AC Connector (Male)	AC Connector (Female)	DC Extension Cable		
					
Pic. G	Pic. H	Pic. I	Pic. J		

5. Accessories information

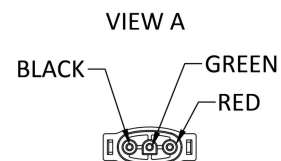
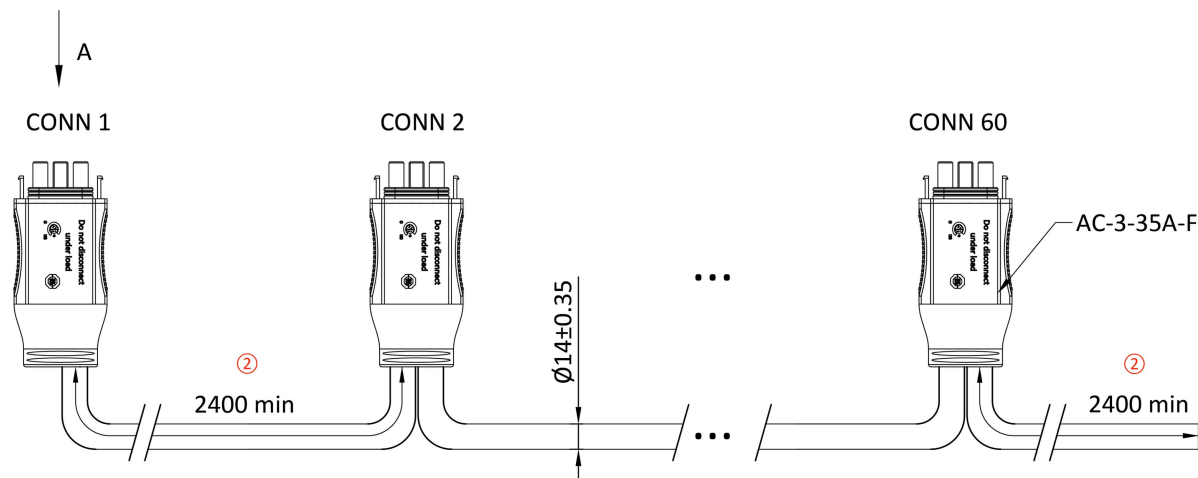
2322301303_Split Phase Bus Cable (12AWG,TC,2m)



2322600403_Split Phase Bus Cable (10AWG,TC,2.4m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Update number of connectors	0.1	YFT 2021-9-24
②	Update dimensions; Update electrical parameters	0.2	YFT 2022-4-15
③	Update part name	0.3	YFT 2022-6-13
④	Update electrical parameters	0.4	YFT 2022-6-30

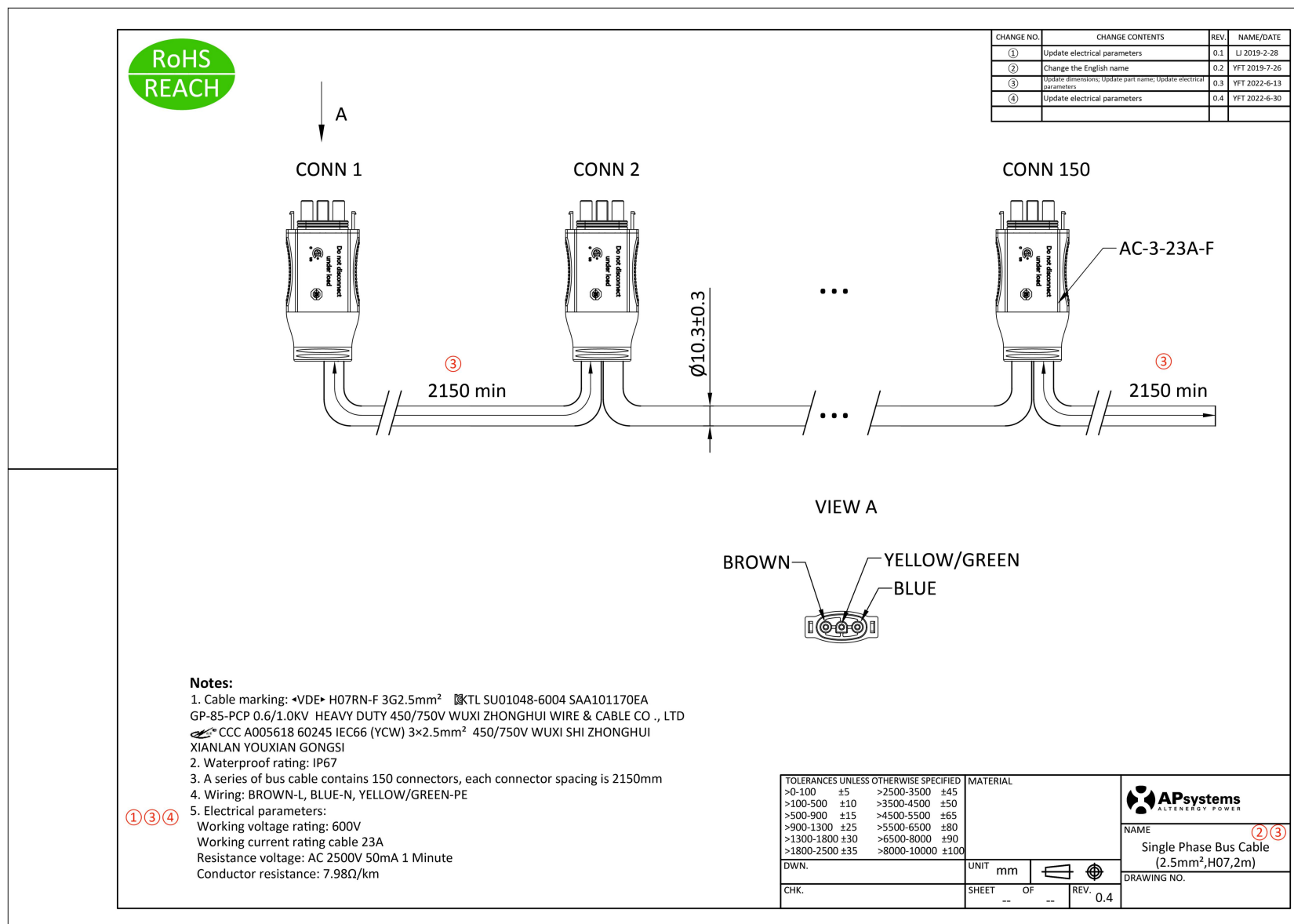


Notes:

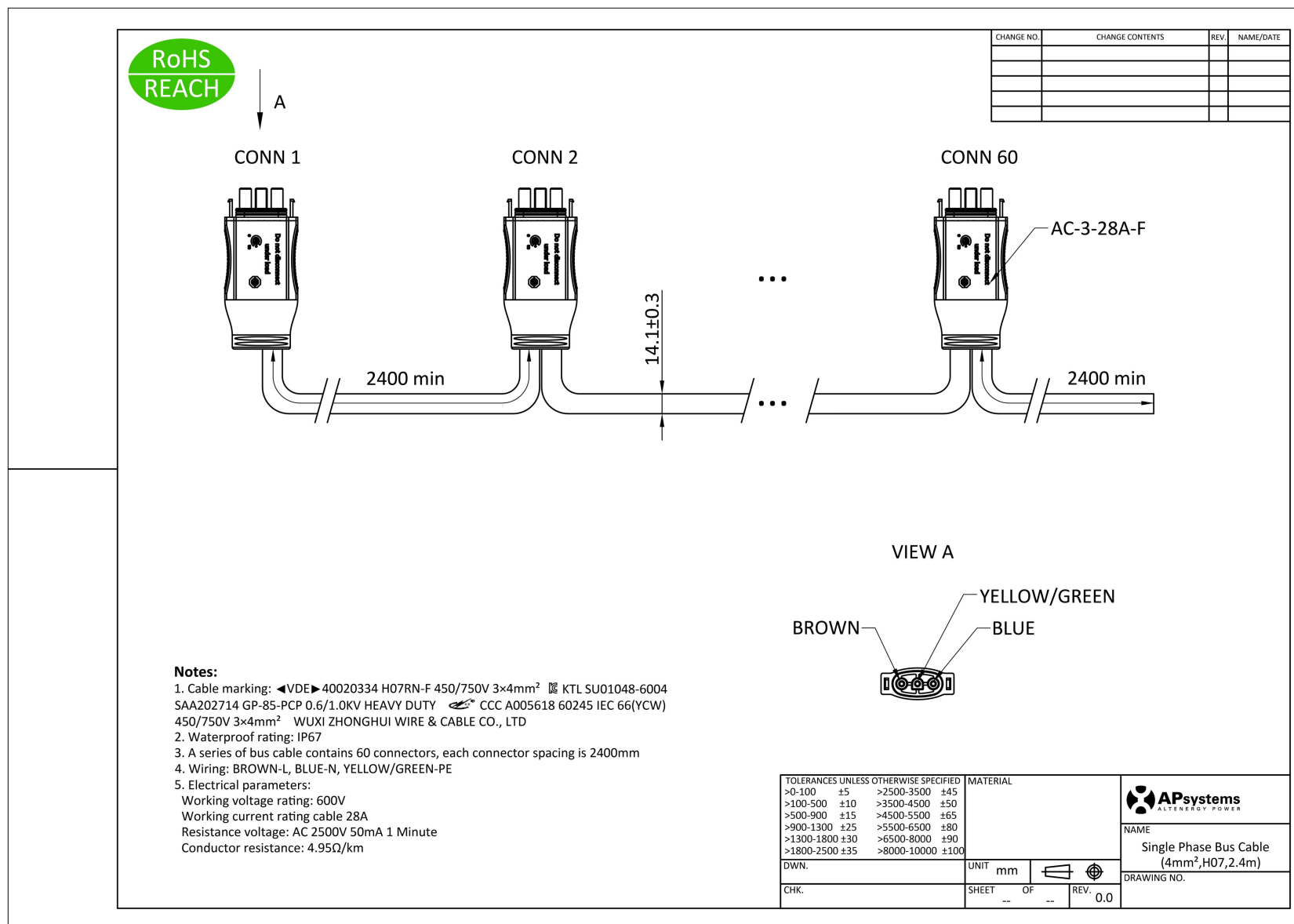
1. Cable marking: E489601 (UL)TYPE TC-ER 3C/10AWG 90°C WET OR DRY 600V
--- c(UL) TYPE CIC 90°C 600V FT1 XLPE 3C/10AWG FT4 DIR BUR SUN RES COLD BEND HWATEK CE
2. Waterproof rating: IP67
3. A series of bus cable contains 60 connectors, each connector spacing is 2400mm
4. Wiring: BLACK-L1, RED-L2, GREEN-PE
5. Electrical parameters:
Working voltage rating: 600V
Working current rating cable 35A
Resistance voltage: AC 2500V 50mA 1 Minute
Conductor resistance: 3.409Ω/km

TOLERANCES UNLESS OTHERWISE SPECIFIED	MATERIAL	NAME
>0-100 ±5	>2500-3500 ±45	Split Phase Bus Cable (10AWG,TC,2.4m)
>100-500 ±10	>3500-4500 ±50	
>500-900 ±15	>4500-5500 ±65	
>900-1300 ±25	>5500-6500 ±80	
>1300-1800 ±30	>6500-8000 ±90	
>1800-2500 ±35	>8000-10000 ±100	
DWN.	UNIT mm	DRAWING NO.
CHK.	SHEET -- OF --	REV. 0.4

2322304903_Single Phase Bus Cable (2.5mm²,H07,2m)



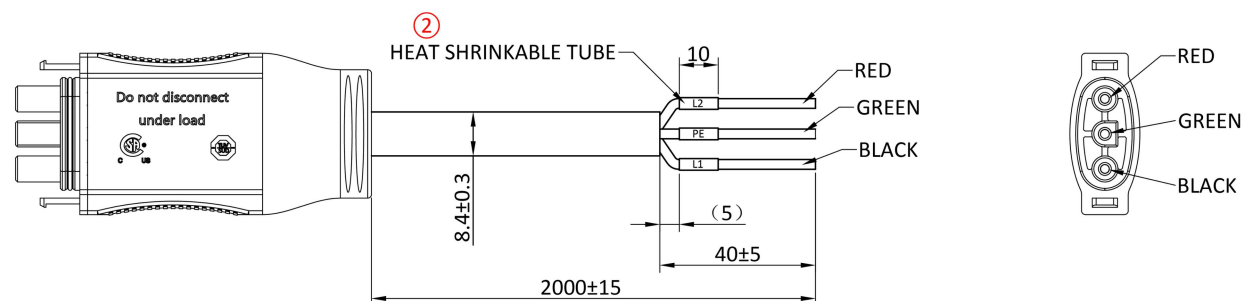
2322601403_Single Phase Bus Cable (4mm², H07,2.4m)



2334075242_ Split Phase Br. Ext-cable (18AWG,TC, 2m)

RoHS
REACH

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Update electrical parameters and cable	0.1	LI 2019-2-28
②	Change the label to heat shrinkable tube	0.2	YFT 2020-5-22
③	Update part name; Update electrical parameters	0.3	YFT 2022-6-13



WIRE RUN LIST		
AWG	COLOR	LABEL
18	BLACK	L1
	RED	L2
	GREEN	PE

Notes:

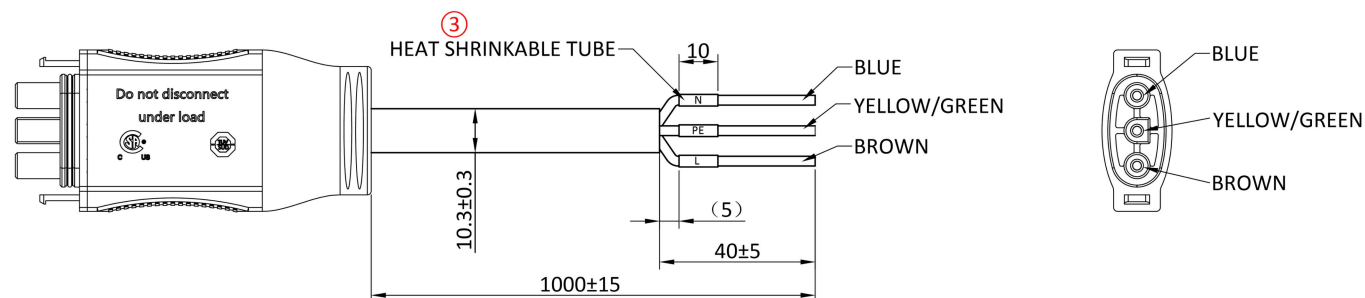
- ① Cable:E489601 TYPE TC-ER 3C/18AWG 90°C WET OR DRY 600V OIL RES
--- c TYPE CIC 90°C 600V FT4 DIR BUR SUN RES -40°C COLD IMPACT AND COLD BEND HWATEK
- ② Waterproof rating: IP67;
- ③ Wiring: BLACK-L1, RED-L2, GREEN-PE;
- ④ Electrical parameters:
Working voltage rating: 600V
Working current rating cable 10A
Resistance voltage: AC 2500V 50mA 1 Minute
Conductor resistance: 21.8Ω/km

TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL	 NAME Split Phase Br. Ext-cable (18AWG,TC,2m) ③
>0-100 ±5	>2500-3500 ±45		
>100-500 ±10	>3500-4500 ±50		
>500-900 ±15	>4500-5500 ±65		
>900-1300 ±25	>5500-6500 ±80		
>1300-1800 ±30	>6500-8000 ±90		
>1800-2500 ±35	>8000-10000 ±100		
DWN.	UNIT mm		DRAWING NO.
CHK.	SHEET -- OF --	REV. 0.3	

2334076132_ Single Phase Br. Ext-cable (2.5mm²,1m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Update electrical parameters	0.1	U 2019-2-28
②	Change the part name	0.2	YFT 2019-7-26
③	Change the label to heat shrinkable tube	0.3	YFT 2020-5-22
④	Update part name; Update electrical parameters	0.4	YFT 2022-6-13
⑤	Update electrical parameters	0.5	YFT 2022-6-30



WIRE RUN LIST		
mm ²	COLOR	LABEL
2.5	BROWN	L
	BLUE	N
	YELLOW/GREEN	PE

Notes:

1. Cable: •VDE• H07RN-F 3G2.5mm² KTL SU01048-6004 SAA101170EA GP-85-PCP 0.6/1.0KV HEAVY DUTY 450/750V WUXI ZHONGHUI WIRE & CABLE CO., LTD CCC A005618 60245 IEC66 (YCW) 3×2.5mm² 450/750V WUXI SHI ZHONGHUI XIANLAN YOUXIAN GONGSI
2. Waterproof rating: IP67;
3. Wiring: BROWN-L, BLUE-N, YELLOW/GREEN-PE;
- ①④⑤ 4. Electrical parameters:
Working voltage rating: 600V
Working current rating cable 23A
Resistance voltage: AC 2500V 50mA 1 Minute
Conductor resistance: 7.98Ω/km

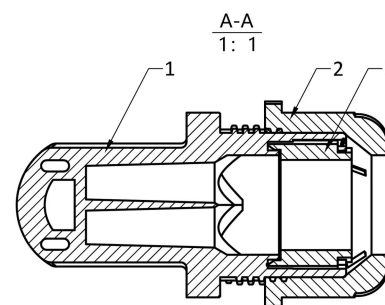
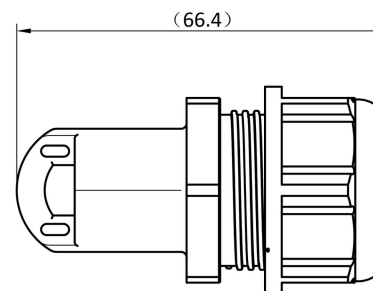
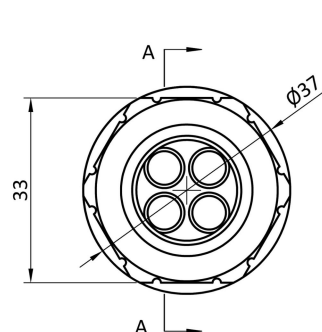
TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL	
>0-100	±5	>2500-3500	±45
>100-500	±10	>3500-4500	±50
>500-900	±15	>4500-5500	±65
>900-1300	±25	>5500-6500	±80
>1300-1800	±30	>6500-8000	±90
>1800-2500	±35	>8000-10000	±100

DWN.	UNIT	mm	REV.	0.5
CHK.	SHEET	OF	REV.	0.5

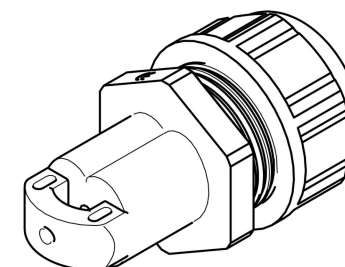
APsystems ALTERNATIVE ENERGY POWER	
NAME Single Phase Br. Ext-Cable(2.5mm ² ,1m)	
DRAWING NO.	

2060700017_ 3-wire Bus Cable End Cap

RoHS
REACH



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Change the name	0.2	ZZH 2023-6-9



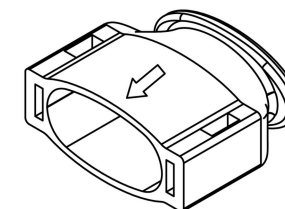
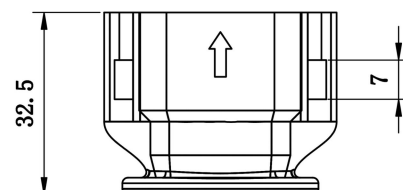
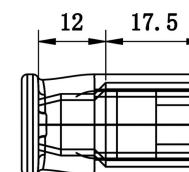
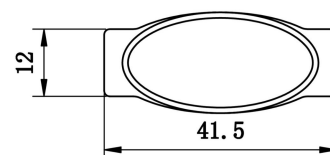
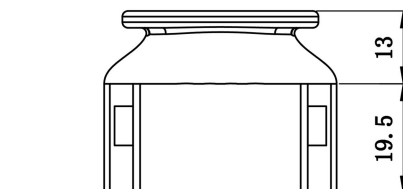
- Notes:
1. Cable Size: 10~16mm;
 2. Nut Torque: 3.0~5.0N·m;
 3. Waterproof Rating: IP68;
 4. Operating Temperature Range: -40~105°C;

3	Sealing bushing		Rubber	1	
2	Round nut		PA6	1	
1	Joint body		PA6	1	
NO.	NAME	TYPE	MAT.	QTY.	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED					
±0.5					
MATERIAL					
-					
					
NAME ①					
3-wire Bus Cable End Cap					
DWN.	UNIT	mm		DRAWING NO.	
CHK.	SHEET	--	OF	--	REV. 2.1

2061702007_Bus Cable Y-CONN Cap

RoHS
REACH

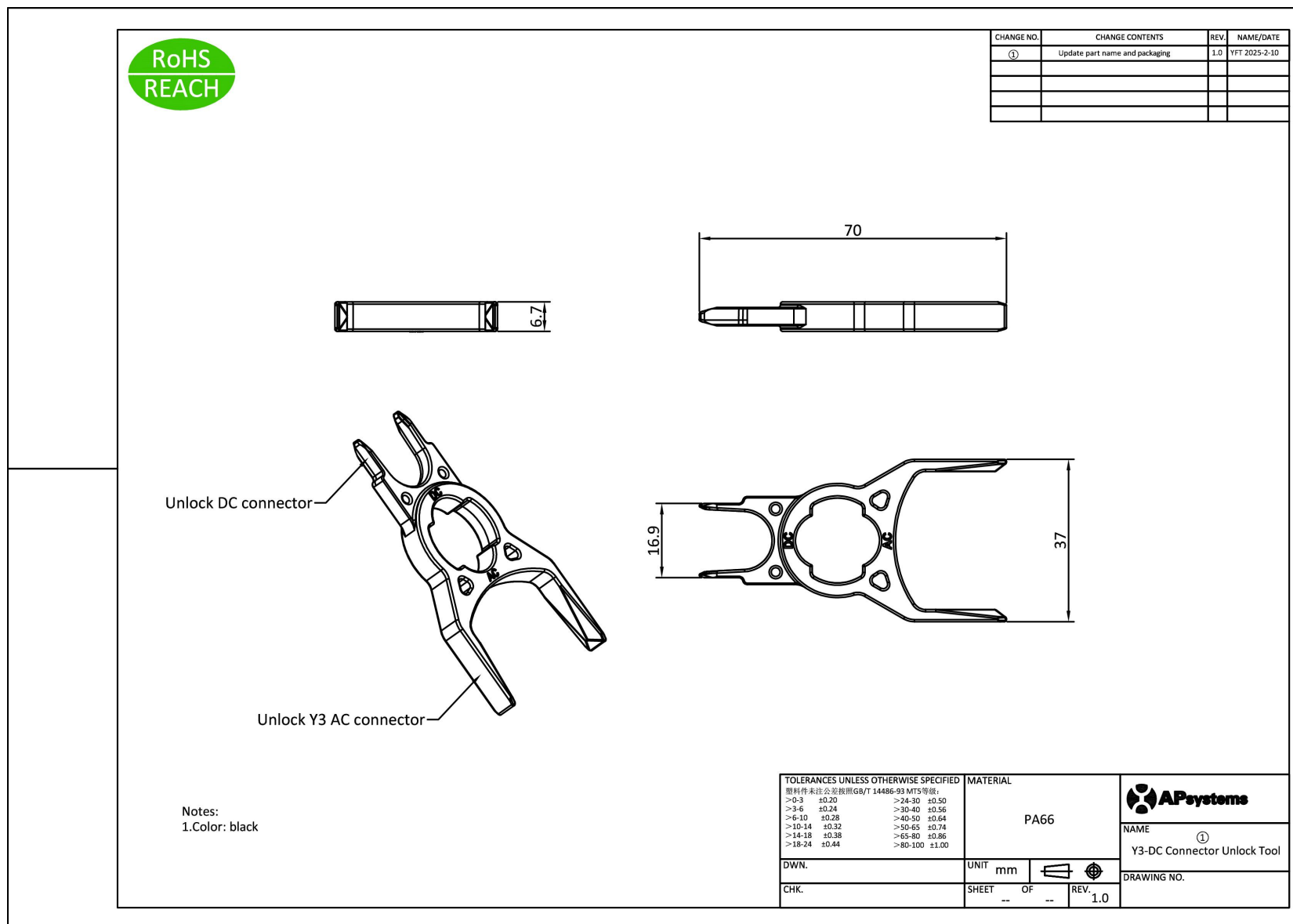
CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Notes:
1. Type: DUO0050

TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 APsystems ALTERNERGY POWER
> 0.5°3: ±0.15 > 3°6: ±0.2 > 6°30: ±0.5 > 30°120: ±0.8 > 120°315: ±1.2 ANGLES: ±1°		PPE		
DWN.	UNIT	mm	 	NAME Bus Cable Y-CONN Cap
CHK.	SHEET	OF	REV. 0.0	DRAWING NO. -

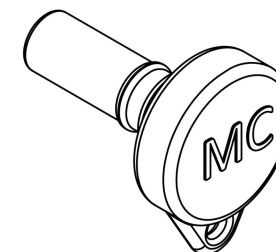
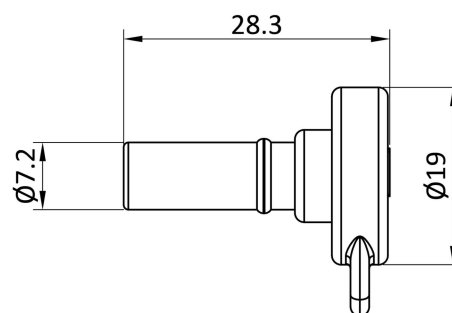
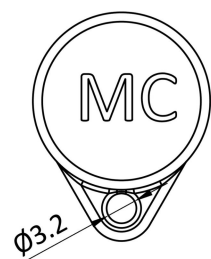
2355000003_Y3-DC Connector Unlock Tool



2060401006_DC Male Connector Cap (MC4)

RoHS
REACH

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



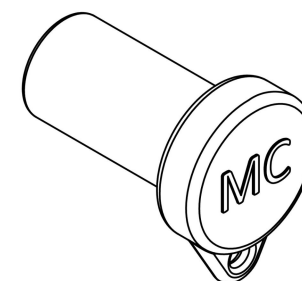
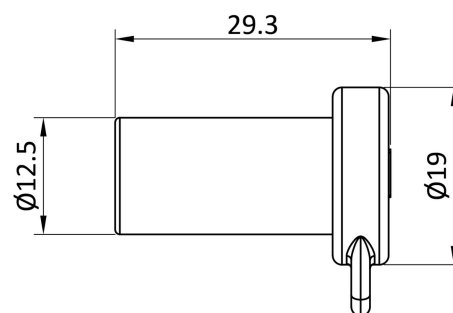
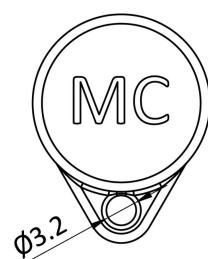
Notes:
1. Type: PV-SVK4;
2. Degree of protection: IP67;

TOLERANCES UNLESS OTHERWISE SPECIFIED ±0.5		MATERIAL TPE		 NAME DC Male Connector Cap (MC4) DRAWING NO. -
DWN.	UNIT mm			
CHK.	SHEET --	OF --	REV. 0.0	

2060402006_DC Female Connector Cap (MC4)

RoHS
REACH

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



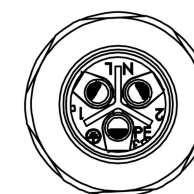
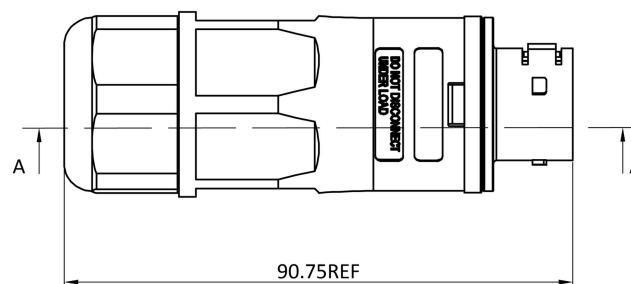
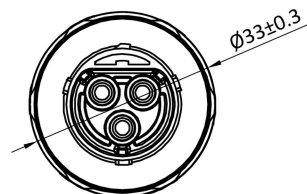
Notes:
1. Type: PV-BVK4;
2. Degree of protection: IP67;

TOLERANCES UNLESS OTHERWISE SPECIFIED ±0.5		MATERIAL TPE		 APsystems ALTENERGY POWER
DWN.		UNIT mm		
CHK.	SHEET OF	REV.	0.0	DRAWING NO. -

2300931212_AC Connector (3 core, two seals, male)

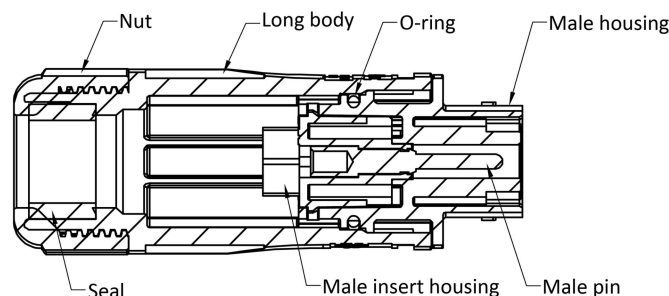


CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Add seal; update Cable O.D; update current; update name	1.0	YFT 2022-8-9



Single-phase connect to L/N/PE
Three-phase connect to 1/2/3

A-A
1: 1



Notes:

Electrical

1. Rated Voltage: 250V AC;
2. Rated Impulse Voltage: 4000V;
3. Rated Current: CSA 32A, TUV 35A;
4. Contact Resistance: ≤5mΩ;
5. Insulation Resistance: ≥500MΩ;

Mechanical:

1. Mating Cycle: ≥500;
2. Cable Retention Force: ≥120N;
3. Pin Retention Force: ≥80N;
4. Cable O.D: 10~15mm;
5. Wire Size: ≤6.0mm²(10AWG);

Environmental:

1. Waterproof Rate: IP68 1m24H;
2. Application Temperature: -40°C~+105°C;
3. Flaming Level: UL94-V0;

Material:

1. Plastic Material: PC&PBT(f1)
2. Pin Material: Copper Alloy, Silver Plating;
3. Sealing Material: Silicone Rubber;
4. Screw Material: SUS, Torque 0.8N.m

Others:

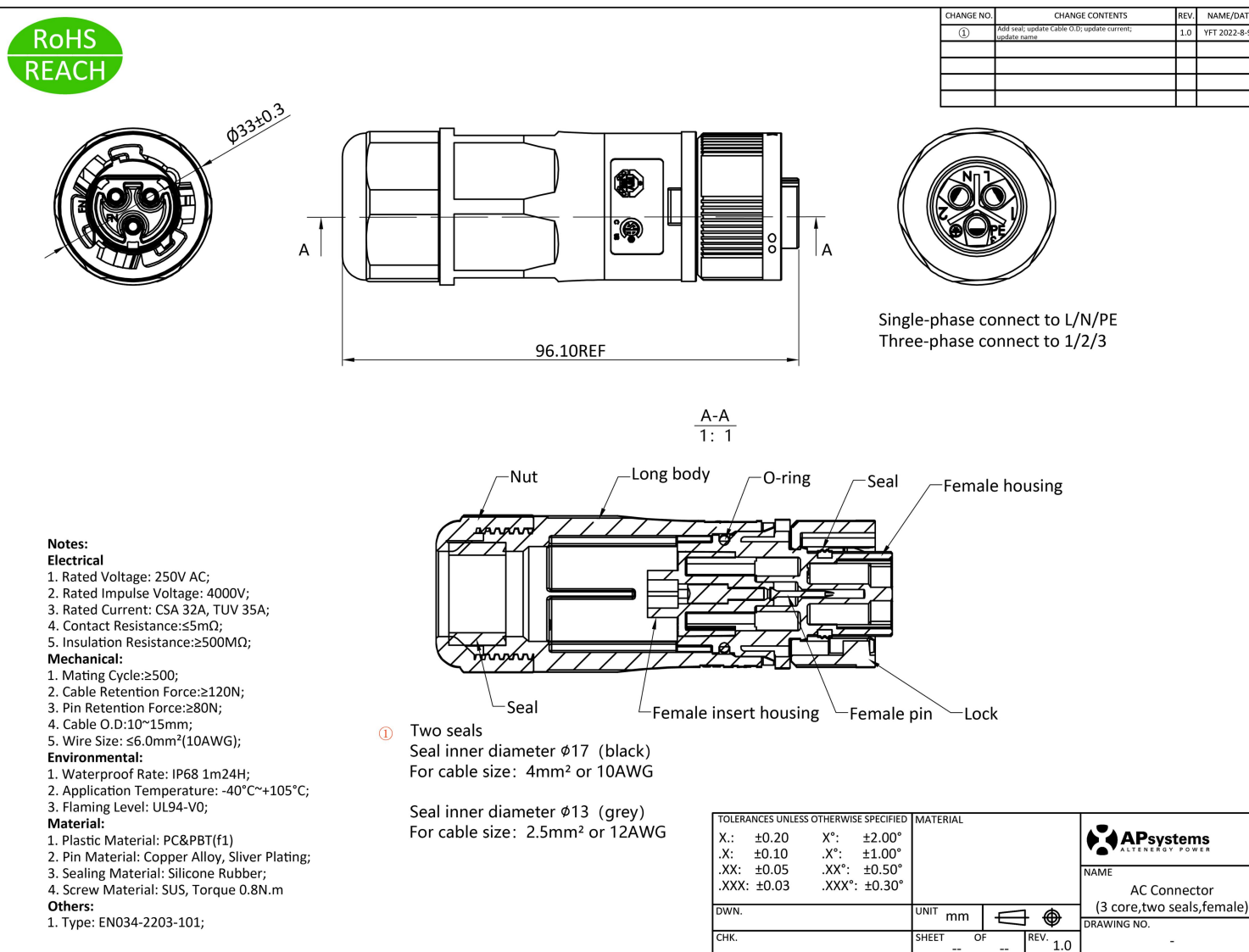
1. Type : EN034-2103-101;

- ① Two seals
Seal inner diameter Ø17 (black)
For cable size: 4mm² or 10AWG

- Seal inner diameter Ø13 (grey)
For cable size: 2.5mm² or 12AWG

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTENERGY POWER
X.: ±0.20	X°: ±2.00°					
.X: ±0.10	.X°: ±1.00°	NAME				
.XX: ±0.05	.XX°: ±0.50°	AC Connector				
.XXX: ±0.03	.XXX°: ±0.30°	(3 core,two seals,male)				
DWN.	UNIT	mm		DRAWING NO.		
CHK.	SHEET	OF	REV.	1.0	-	

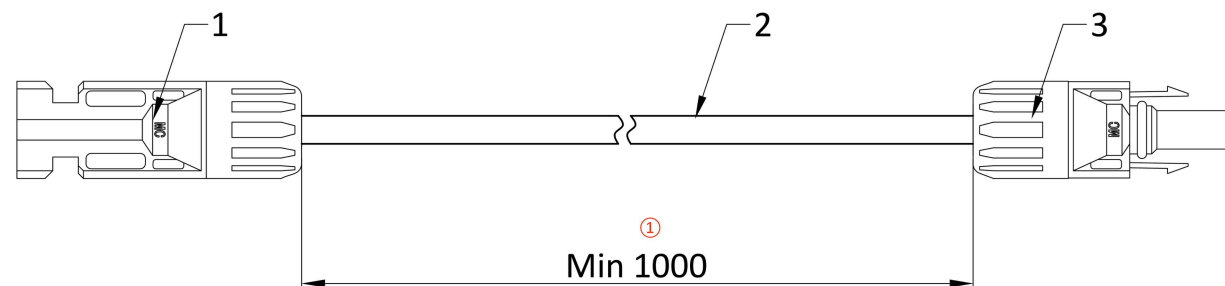
2300932212_AC Connector (3 core, two seals, female)



2310310274_1m DC Extension Cable (MC4)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Update cable type; Update dimensions	0.1	YFT 2022-9-14



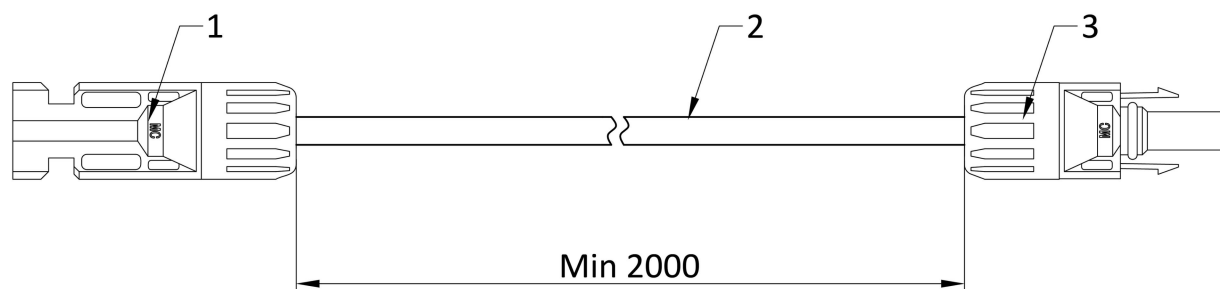
Notes:
 1. The DC cable and connector connect firmly, can sustain 100N-60s tension
 2. The pin concentric with plastic parts, ensure that there is no contradict phenomenon when male connector inserts into female connector

3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
① 2	DC Cable	FLEX-SOL-EVO-DX 4.0		1	4.0mm², TUV/UL certification	
		62930 IEC 131/PV		1	4.0mm²/12AWG, TUV/UL certification	Alternative
1	DC Connector (male)	MC4 PV-KST4/6II		1	Male, STAUBLI	
NO.	NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL				 NAME 1m DC Extension Cable (MC4) DRAWING NO.
>0-100 ±5		>2500-3500 ±45				
>100-500 ±10		>3500-4500 ±50				
>500-900 ±15		>4500-5500 ±65				
>900-1300 ±25		>5500-6500 ±80				
>1300-1800 ±30		>6500-8000 ±90				
>1800-2500 ±35		>8000-10000 ±100				
DWN.			UNIT	mm		
CHK.			SHEET	OF		
			REV.	0.1	DRAWING NO.	

2310360214_2m DC Extension Cable (MC4)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
②	Add alternative cable	0.2	YFT 2022-9-14



Notes:

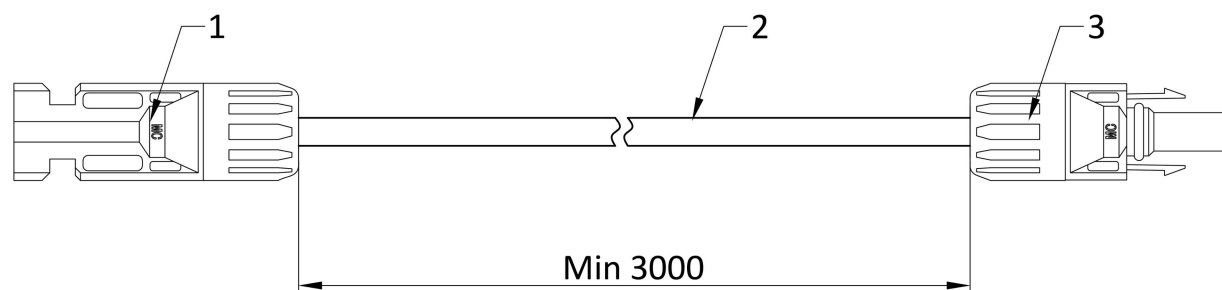
1. The DC cable and connector connect firmly, can sustain 100N-60s tension
2. The pin concentric with plastic parts, ensure that there is no contradict phenomenon when male connector inserts into female connector

①	3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
	2	DC Cable	FLEX-SOL-EVO-DX 4.0		1	4.0mm², TUV/UL certification	
			62930 IEC 131/PV		1	4.0mm²/12AWG, TUV/UL certification	Alternative
	1	DC Connector (male)	MC4 PV-KST4/6II		1	Male, STAUBLI	
NO.		NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL APsystems ALTERNERGY POWER NAME 2m DC Extension Cable (MC4)			
>0-100	±5	>2500-3500	±45				
>100-500	±10	>3500-4500	±50				
>500-900	±15	>4500-5500	±65				
>900-1300	±25	>5500-6500	±80				
>1300-1800	±30	>6500-8000	±90				
		>1800-2500	±35	>8000-10000	±100		
DWN.			UNIT		mm		
CHK.			SHEET		OF	REV.	0.2
							DRAWING NO.

2310360224_3m DC Extension Cable (MC4)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Add alternative cable	0.1	YFT 2022-9-14



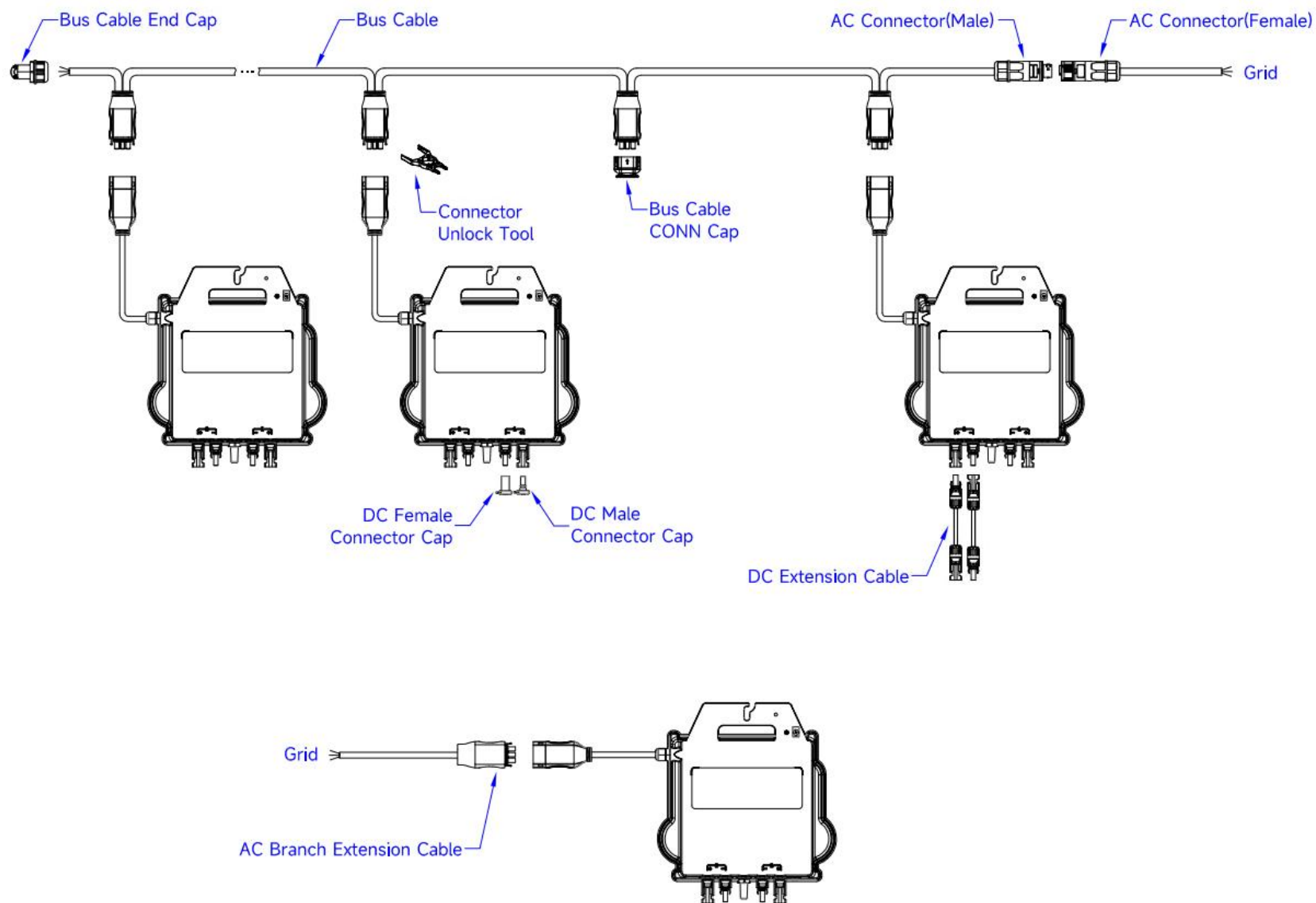
Notes:

1. The DC cable and connector connect firmly, can sustain 100N-60s tension
2. The pin concentric with plastic parts, ensure that there is no contradict phenomenon when male connector inserts into female connector

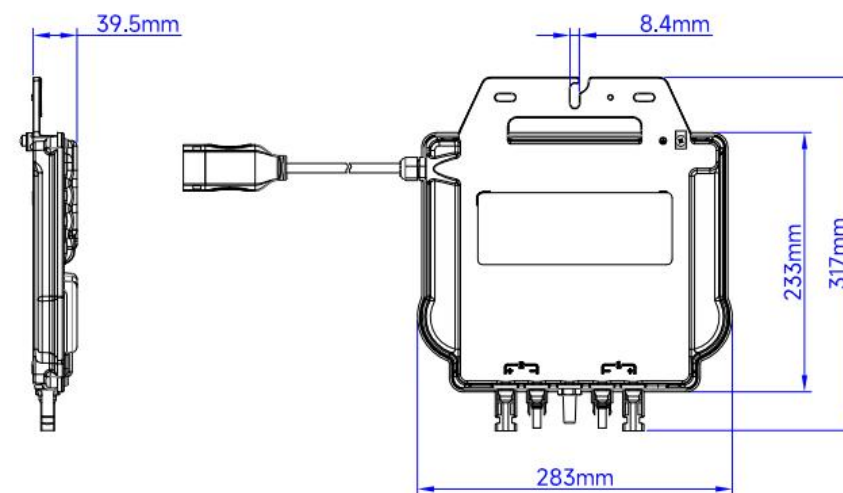
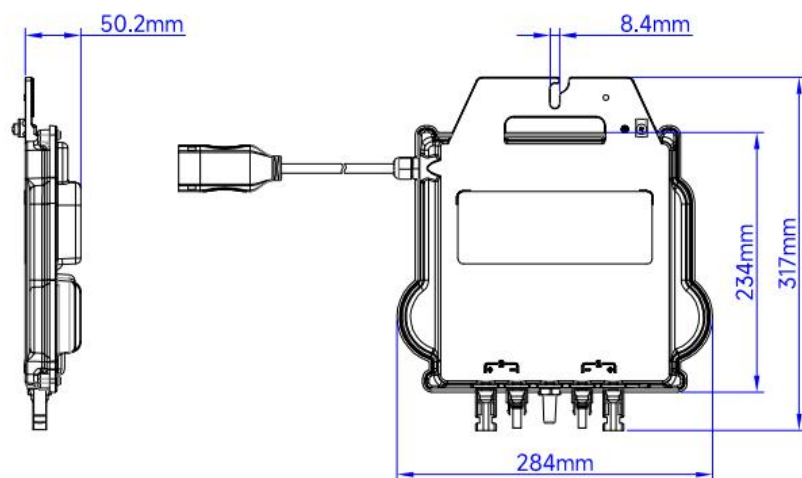
3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
① 2	DC Cable	FLEX-SOL-EVO-DX 4.0		1	4.0mm², TUV/UL certification	
		62930 IEC 131/PV		1	4.0mm²/12AWG, TUV/UL certification	Alternative
1	DC Connector (male)	MC4 PV-KST4/6II		1	Male, STAUBLI	
NO.	NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL				
>0-100	±5	>2500-3500	±45	APsystems ALTERNATELY POWER NAME 3m DC Extension Cable (MC4)		
>100-500	±10	>3500-4500	±50			
>500-900	±15	>4500-5500	±65			
>900-1300	±25	>5500-6500	±80			
>1300-1800	±30	>6500-8000	±90			
>1800-2500	±35	>8000-10000	±100			
DWN.	UNIT		mm		DRAWING NO.	
CHK.	SHEET		OF	REV.		
				0.1		

DS3D Accessories

1. Wiring Diagram



2. DS3D Dimensions



3. Accessories Summary

Region		Accessories									
		Bus Cable (Mandatory)	AC Branch Extension Cable (Optional)	Bus Cable End Cap (Mandatory)	Bus Cable CONN Cap (Optional)	Connector Unlock Tool (Mandatory)	DC Male Connector Cap (Optional)	DC Female Connector Cap (Optional)	AC Connector (Male) (Optional)	AC Connector (Female) (Optional)	DC Extension Cable (Optional)
APAC	Taiwan -TW: 121272	2322600403_Split Phase Bus Cable (10AWG,TC,2.4m)	2334075242_Split Phase Br. Ext-cable (18AWG,TC, 2m) (See Pic. B)	2060700017_ 3-wire Bus Cable End Cap (See Pic. C)	2061702007_ Bus Cable Y-CONN Cap (See Pic. D)	2355000003_ Y3-DC Connector Unlock Tool (See Pic. E)	2060401006_ DC Male Connector Cap (MC4) (See Pic. F)	2060402006_ DC Female Connector Cap (MC4) (See Pic. G)	2300931212_ AC Connector (3 core, two seals, male) (See Pic. H)	2300932212_ AC Connector (3 core, two seals, female) (See Pic. I)	2310310274_1m DC Extension Cable (MC4)
	Philippines -PH: 121074	2322301303_Split Phase Bus Cable (12AWG,TC,2m) (See Pic. A)									2310360214_2m DC Extension Cable (MC4)
	Sri Lanka -LK: 121045	2322601403_Single Phase Bus Cable (4mm ² ,H07,2.4m)	2334076132_Single Phase Br. Ext-cable (2.5mm ² ,1m) (See Pic. B)								2310360224_3m DC Extension Cable (MC4)
	Thailand Vietnam Indonesia	2322304903_Single Phase Bus Cable (2.5mm ² , H07,2m) (See Pic. A)									2310370236_4m DC Extension Cable (MC4) (See Pic. J)

Notes: The cables in this table are recommended by APsystems, and the O.D. and length of the cable can be customized according to customer needs.

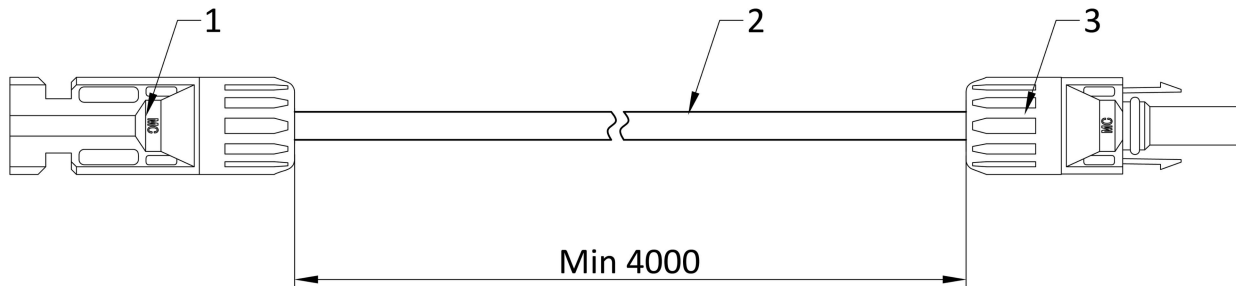
4. Physical Picture

Bus Cable	AC Branch Extension Cable	Bus Cable End Cap	Bus Cable CONN Cap	Connector Unlock Tool	DC Male Connector Cap
 Pic. A	 Pic. B	 Pic. C	 Pic. D	 Pic. E	 Pic. F
DC Female Connector Cap	AC Connector (Male)	AC Connector (Female)	DC Extension Cable		
 Pic. G	 Pic. H	 Pic. I	 Pic. J		

5. Accessories information

2310370236_4m DC Extension Cable (MC4)





CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Add alternative cable	0.1	YFT 2022-9-14

Notes:

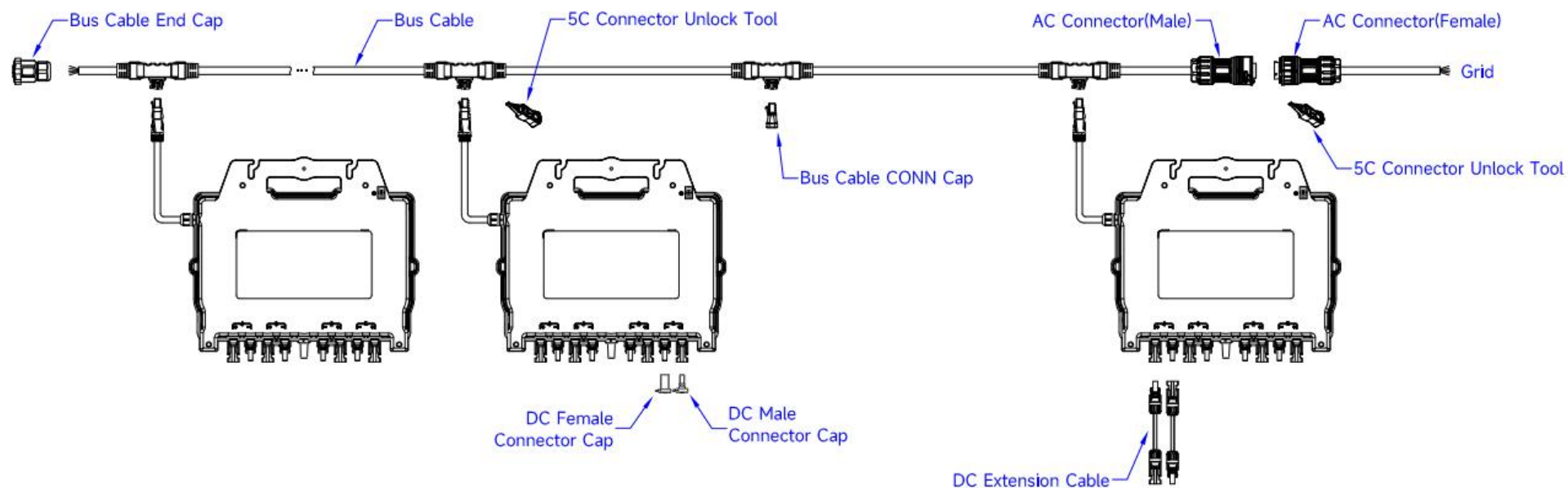
1. The DC cable and connector connect firmly, can sustain 100N-60s tension
2. The pin concentric with plastic parts, ensure that there is no contradict phenomenon when male connector inserts into female connector

3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
① 2	DC Cable	FLEX-SOL-EVO-DX 4.0		1	4.0mm ² , TUV/UL certification	
		62930 IEC 131/PV		1	4.0mm ² /12AWG, TUV/UL certification	Alternative
1	DC Connector (male)	MC4 PV-KST4/6II		1	Male, STAUBLI	

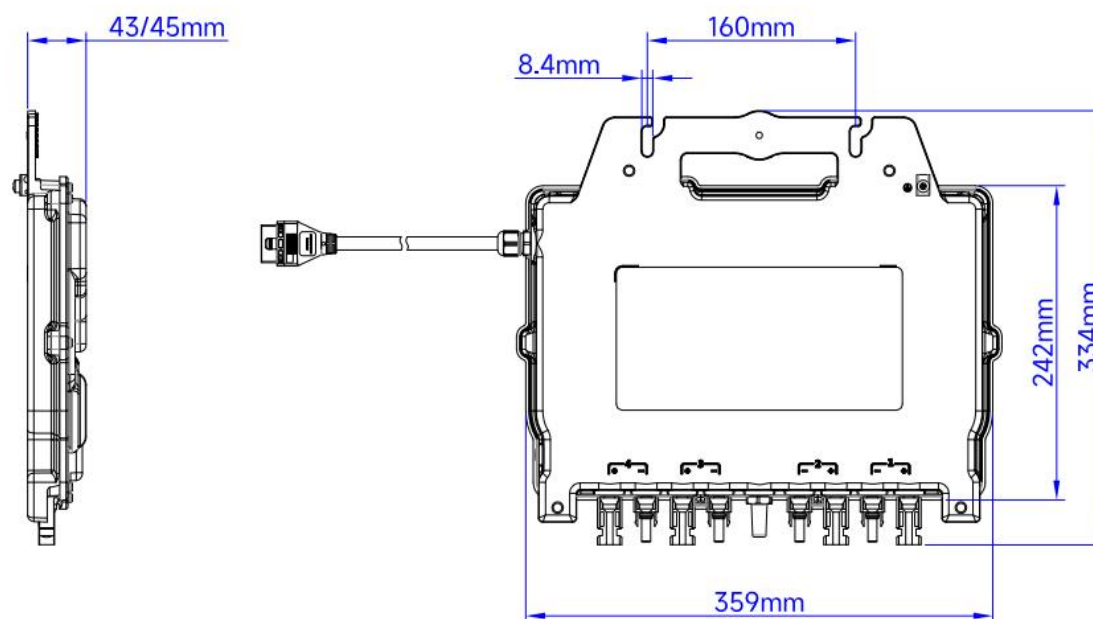
NO.	NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL				
> 0-100	±5	> 2500-3500	±45	 NAME 4m DC Extension Cable (MC4)		
> 100-500	±10	> 3500-4500	±50			
> 500-900	±15	> 4500-5500	±65			
> 900-1300	±25	> 5500-6500	±80			
> 1300-1800	±30	> 6500-8000	±90			
> 1800-2500	±35	> 8000-10000	±100			
DWN.			UNIT	mm		
CHK.			SHEET	OF		
			REV.	0.1	DRAWING NO.	

QT2 Accessories

1. Wiring Diagram



2. QT2 Dimensions



3. Accessories Summary

Region		Accessories								
		Bus Cable (Mandatory)	Bus Cable End Cap (Mandatory)	Bus Cable CONN Cap (Optional)	5C Connector Unlock Tool (Mandatory)	DC Male Connector Cap (Optional)	DC Female Connector Cap (Optional)	AC Connector (Male) (Optional)	AC Connector (Female) (Optional)	DC Extension Cable (Optional)
APAC	Taiwan Philippines -230-PH: 145211 -400-PH: 146211	2322604502_3-phase 5C Bus Cable (12AWG,TC,2.4m)	2062050012_5C Bus Cable End Cap (Two seals) (See Pic. B)	2061252032_5-wire Bus Cable T-CONN Cap (See Pic. C)	2353000002_5C Connector Unlock Tool (See Pic. D)	2060401006_DC Male Connector Cap (MC4) (See Pic. E)	2060402006_DC Female Connector Cap (MC4) (See Pic. F)	2301511002_ AC Connector (5C,40A,male) (See Pic. G)	2301512002_ AC Connector (5C,40A,female) (See Pic. H)	2310310274_1m DC Extension Cable (MC4)
		2322904502_3-phase 5C Bus Cable (12AWG,TC,4.6m)								2310360214_2m DC Extension Cable (MC4)
		2322609202_3-phase 5C Bus Cable (10AWG,TC,2.4m)								2310360224_3m DC Extension Cable (MC4)
		2322909202_3-phase 5C Bus Cable(10AWG,TC,4.6m) (See Pic. A)								2310370236_4m DC Extension Cable (MC4) (See Pic. I)
	Sri Lanka Thailand -THA: 124061 Vietnam Indonesia	2322604802_3-phase 5C Bus Cable (2.5mm²,H07,2.4m)								
		2322900902_3-phase 5C Bus Cable (2.5mm²,H07,4.6m)								
		2322609122_3-phase 5C Bus Cable (4mm² ,H07,2.4m)								
		2322909102_3-phase 5C Bus Cable (4mm²,H07,4.6m) (See Pic. A)								

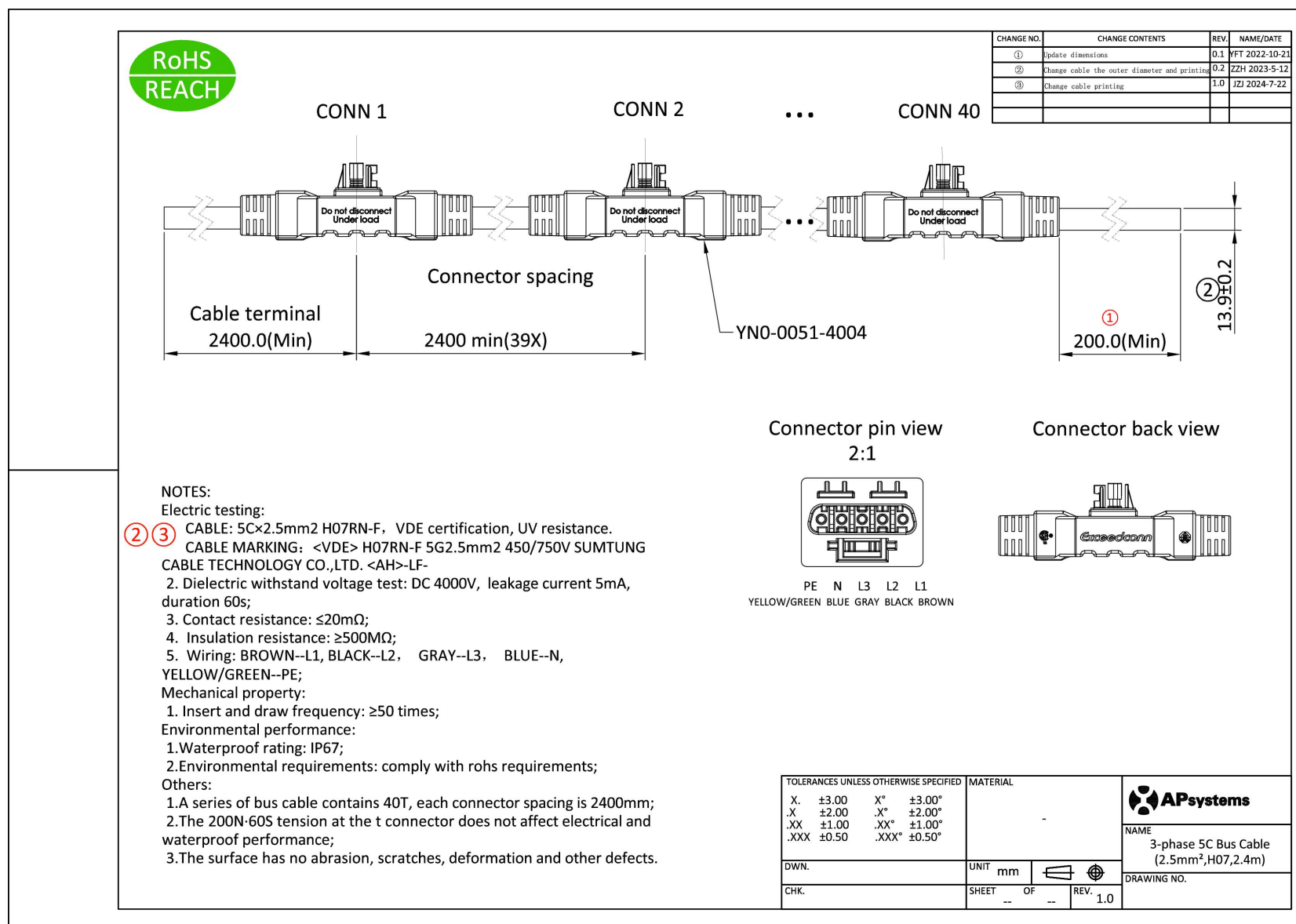
Notes: The cables in this table are recommended by APsystems, and the O.D. and length of the cable can be customized according to customer needs.

4. Physical Picture

Bus Cable	Bus Cable End Cap	Bus Cable CONN Cap	5C Connector Unlock Tool	DC Male Connector Cap	DC Female Connector Cap
					
Pic. A	Pic. B	Pic. C	Pic. D	Pic. E	Pic. F
AC Connector (Male)	AC Connector (Female)	DC Extension Cable			
					
Pic. G	Pic. H	Pic. I			

5. Accessories information

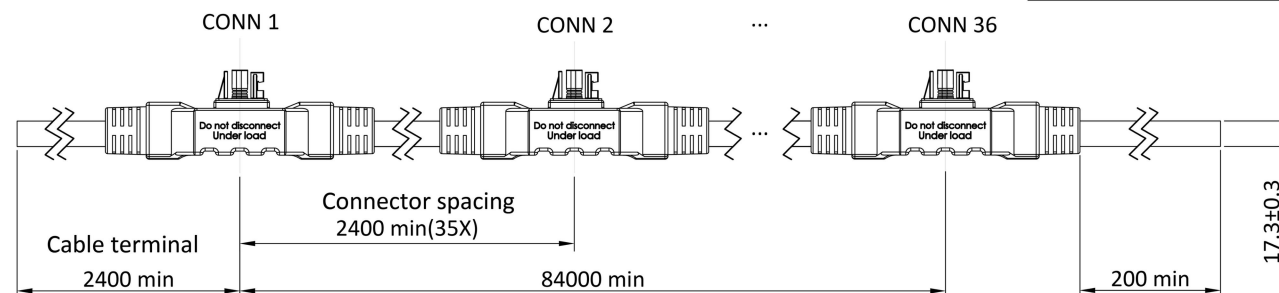
2322604802_3-phase 5C Bus Cable (2.5mm²,H07,2.4m)



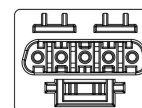
2322609122_3-phase 5C Bus Cable (4mm²,H07,2.4m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE

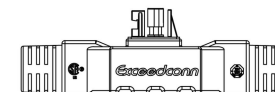


Connector pin view
2:1



PE N L3 L2 L1
YELLOW/GREEN BLUE GRAY BLACK BROWN

Connector back view



Notes:

Electric testing:

1. Cable: 5C×4mm² H07RN-F, UV resistance.
Cable marking: 60245IEC66(YCW) 450/750V 5×4MM2 <VDE>
H07RN-F 5G4MM2
SUMTUNG CABLE TECHNOLOGY CO.,LTD. -LF-
2. Dielectric withstand voltage test: DC 4000V, leakage current 5mA, duration 60s;
3. Working voltage rating: 600V;
4. Working current rating: 30A;
5. Contact resistance: ≤20mΩ;
6. Insulation resistance: ≥500MΩ;
7. Wiring: BROWN--L1, BLACK--L2, GRAY--L3, BLUE--N, YELLOW/GREEN--PE;

Mechanical property:

1. Insert and draw frequency: ≥50 times;

Environmental performance:

1. Waterproof rating: IP67;
2. Environmental requirements: comply with rohs requirements;

Others:

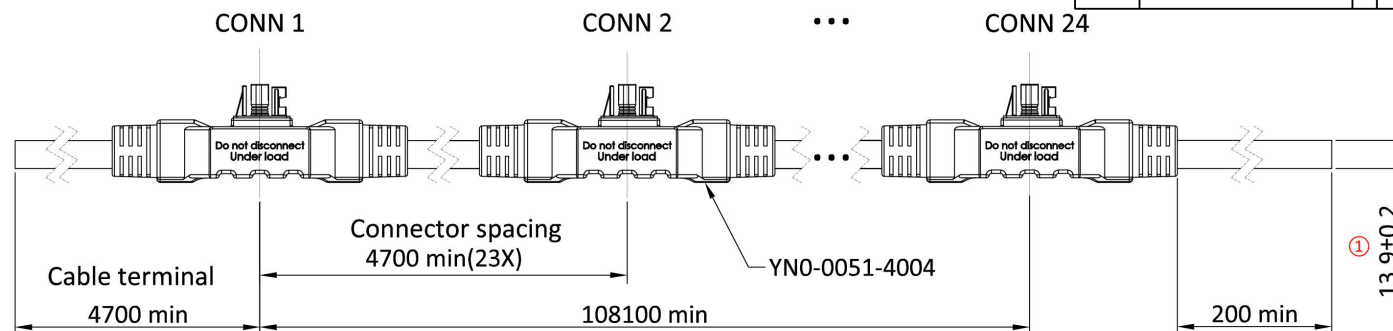
1. A series of bus cable contains 36T, each connector spacing is 2400mm;
2. The 200N-60S tension at the t connector does not affect electrical and waterproof performance;
3. The surface has no abrasion, scratches, deformation and other defects.

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTERNERGY POWER
X.	±3.00	X°	±3.00°			
.X	±2.00	.X°	±2.00°			
.XX	±1.00	.XX°	±.00°	DRAWING NO.		
.XXX	±0.50	.XXX°	±0.50°			

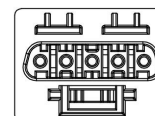
2322900902_3-phase 5C Bus Cable (2.5mm²,H07,4.6m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Change cable the outer diameter and printing	0.1	ZH 2023/5/12
②	Change cable printing	1.0	JZ 2024/7/22



Connector pin view
2:1



PE N L3 L2 L1
YELLOW/GREEN BLUE GRAY BLACK BROWN

Connector back view



NOTES:

Electric testing:

1. CABLE 5C×2.5mm² H07RN-F, VDE certification, UV resistance.

①② CABLE MARKING: <VDE>H07RN-F 5G2.5mm² 450/750V SUMTUNG CABLE TECHNOLOGY CO.,LTD. <AH>-LF-

2. Dielectric withstand voltage test: DC 4000V, leakage current 5mA, duration 60s;

3. Contact resistance: ≤20mΩ;

4. Insulation resistance: ≥500MΩ;

5. Wiring: BROWN--L1, BLACK--L2, GRAY--L3, BLUE--N, YELLOW/GREEN--PE;

Mechanical property:

1. Insert and draw frequency: ≥50 times;

Environmental performance:

1. Waterproof rating: IP67;

2. Environmental requirements: comply with RoHS requirements;

Others:

1. A series of bus cable contains 24T, each connector spacing is 4700mm;

2. The 200N-60S tension at the t connector does not affect electrical and waterproof performance;

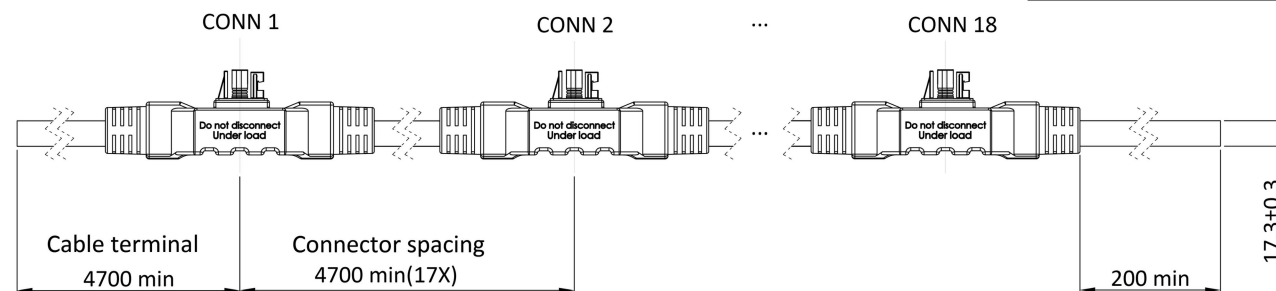
3. The surface has no abrasion, scratches, deformation and other defects.

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		
X.	±3.00	X°	±3.00°			
.X	±2.00	.X°	±2.00°			
.XX	±1.00	.XX°	±.00°			
.XXX	±0.50	.XXX°	±0.50°			
DWN.				UNIT	mm	
CHK.				SHEET	OF	
						NAME 3-phase 5C Bus Cable (2.5mm²,H07,4.6m) DRAWING NO.

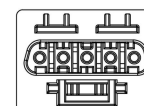
2322909102_3-phase 5C Bus Cable (4mm²,H07,4.6m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE

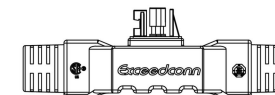


Connector pin view
2:1



PE N L3 L2 L1
YELLOW/GREEN BLUE GRAY BLACK BROWN

Connector back view



Notes:

Electric testing:

1.Cable: 5C×4mm² H07RN-F, UV resistance.

Cable marking: 60245IEC66(YCW) 450/750V 5×4MM2 <VDE> H07RN-F

5G4MM2

SUMTUNG CABLE TECHNOLOGY CO.,LTD. -LF-

2.Dielectric withstand voltage test: DC 4000V, leakage current 5mA, duration 60s;

3.Working voltage rating: 600V;

4.Working current rating: 30A;

5.Contact resistance: ≤20mΩ;

6.Insulation resistance: ≥500MΩ;

7.Wiring: BROWN--L1, BLACK--L2, GRAY--L3, BLUE--N, YELLOW/GREEN--PE;

Mechanical property:

1. Insert and draw frequency: ≥50 times;

Environmental performance:

1.Waterproof rating: IP67;

2.Environmental requirements: comply with rohs requirements;

Others:

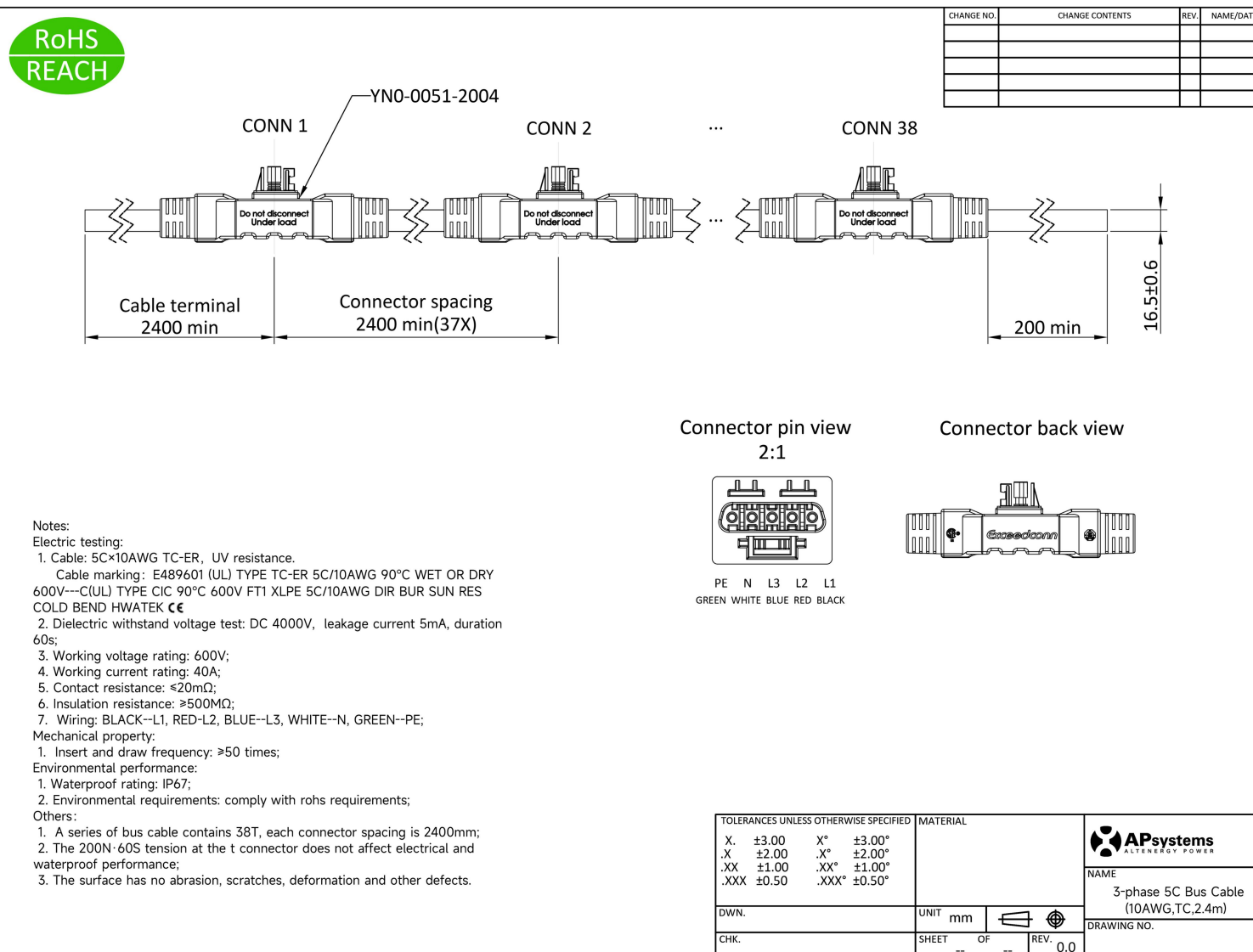
1.A series of bus cable contains 18T, each connector spacing is 4700mm;

2.The 200N·60S tension at the t connector does not affect electrical and waterproof performance;

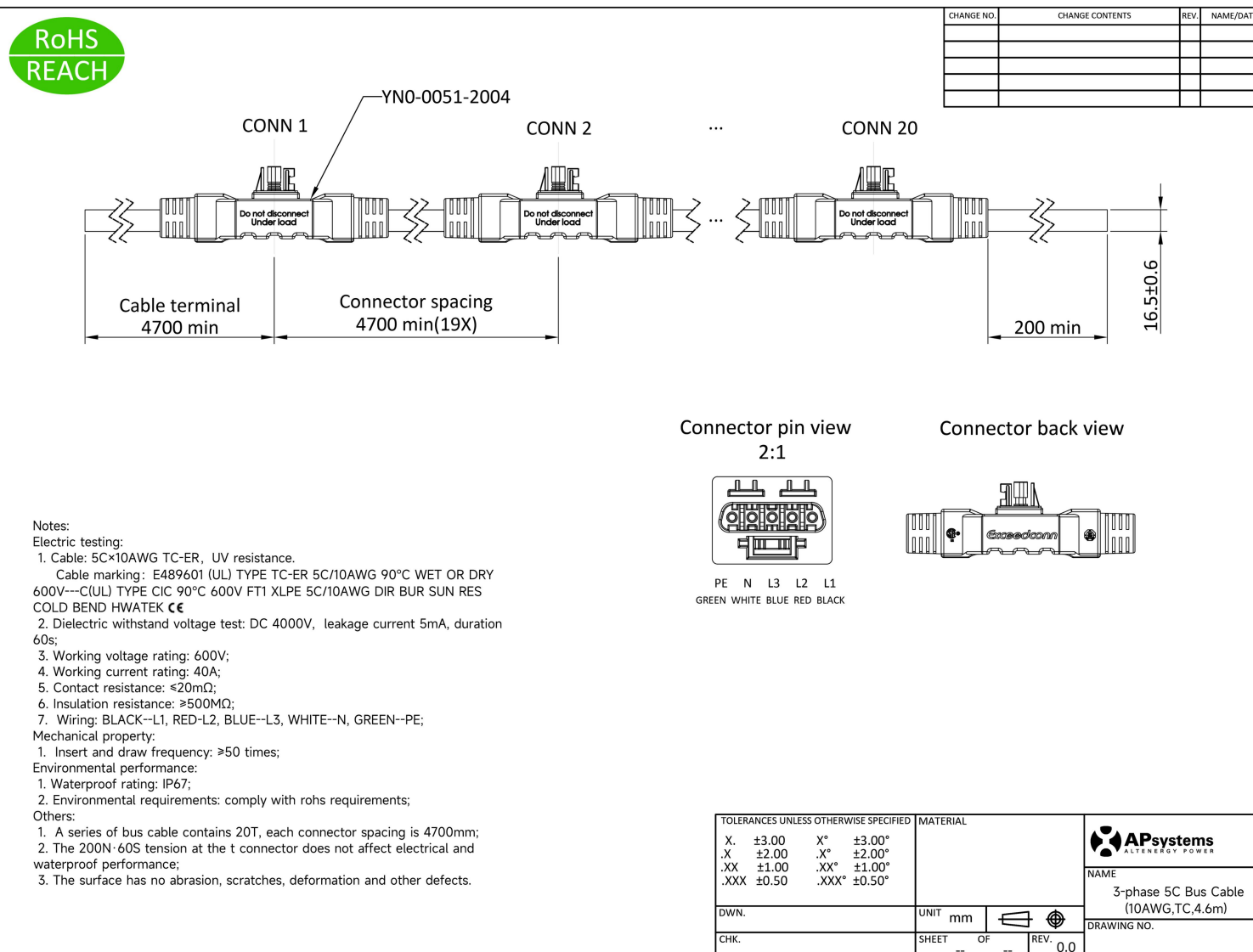
3.The surface has no abrasion, scratches, deformation and other defects.

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTERNATIVE POWER
X.	±3.00	X°	±3.00°			
.X	±2.00	.X°	±2.00°			
.XX	±1.00	.XX°	±1.00°	NAME		3-phase 5C Bus Cable (4mm²,H07,4.6m)
.XXX	±0.50	.XXX°	±0.50°	DRAWING NO.		
DWN.				UNIT	mm	
CHK.				SHEET	OF	REV. 0.0

2322609202_ 3-phase 5C Bus Cable(10AWG,TC, 2.4m)



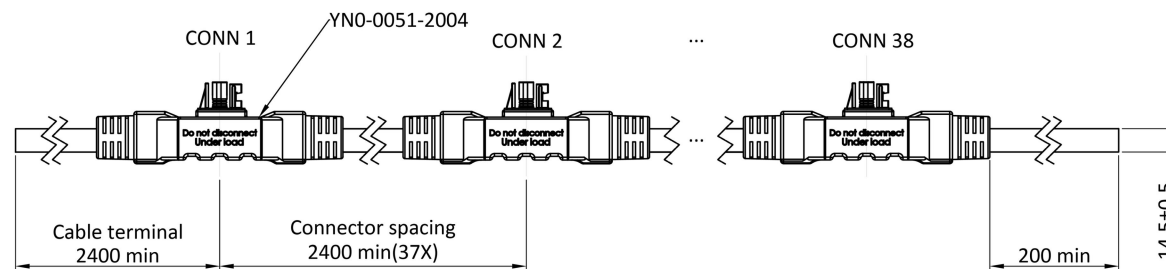
2322909202_3-phase 5C Bus Cable(10AWG,TC,4.6m)



2322604502_3-phase 5C Bus Cable(12AWG,TC,2.4m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Notes:

Electric testing:

1. Cable: 5C×12AWG TC-ER, UV resistance.
Cable marking: E489601 (UL) TYPE TC-ER 5C/12AWG 90°C WET OR DRY 600V---C(UL) TYPE CIC 90°C 600V FT1 XLPE 5C/12AWG DIR BUR SUN RES COLD BEND HWATEK 
2. Dielectric withstand voltage test: DC 4000V, leakage current 5mA, duration 60s;
3. Working voltage rating: 600V;
4. Working current rating: 30A;
5. Contact resistance: ≤20mΩ;
6. Insulation resistance: ≥500MΩ;
7. Wiring: BLACK--L1, RED-L2, BLUE--L3, WHITE--N, GREEN--PE;

Mechanical property:

1. Insert and draw frequency: ≥50 times;

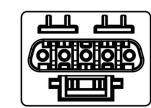
Environmental performance:

1. Waterproof rating: IP67;
2. Environmental requirements: comply with rohs requirements;

Others:

1. A series of bus cable contains 38T, each connector spacing is 2400mm;
2. The 200N-60S tension at the t connector does not affect electrical and waterproof performance;
3. The surface has no abrasion, scratches, deformation and other defects.

Connector pin view 2:1



PE N L3 L2 L1
GREEN WHITE BLUE RED BLACK

Connector back view

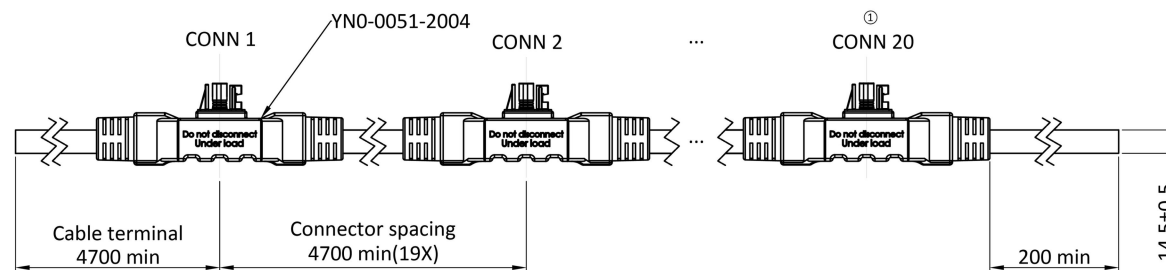


TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 NAME 3-phase 5C Bus Cable (12AWG,TC,2.4m)
X. ±3.00	X° ±3.00°			
.X ±2.00	.X° ±2.00°			
.XX ±1.00	.XX° ±1.00°			
.XXX ±0.50	.XXX° ±0.50°			
DWN.	UNIT mm			DRAWING NO.
CHK.	SHEET -- OF --	REV.	0.0	

2322904502_3-phase 5C Bus Cable(12AWG,TC,4.6m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Change the number of Connector: 18→20	0.1	ZZH 2023/5/8



Notes:

Electric testing:

1. Cable: 5C×12AWG TC-ER, UV resistance.

Cable marking: E489601 (UL) TYPE TC-ER 5C/12AWG 90°C WET OR DRY 600V---C(UL) TYPE CIC 90°C 600V FTI XLPE 5C/12AWG DIR BUR SUN RES COLD BEND HWATEK $\ll$

2. Dielectric withstand voltage test: DC 4000V, leakage current 5mA, duration 60s;

3. Working voltage rating: 600V;

4. Working current rating: 30A;

5. Contact resistance: $\leq 20\text{m}\Omega$;

6. Insulation resistance: $\geq 500\text{M}\Omega$;

7. Wiring: BLACK--L1, RED--L2, BLUE--L3, WHITE--N, GREEN--PE;

Mechanical property:

1. Insert and draw frequency: ≥ 50 times;

Environmental performance:

1. Waterproof rating: IP67;

2. Environmental requirements: comply with rohs requirements;

Others:

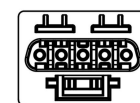
1. A series of bus cable contains 20T, each connector spacing is 4700mm;

2. The 200N-60S tension at the t connector does not affect electrical and waterproof performance;

3. The surface has no abrasion, scratches, deformation and other defects.

Connector pin view

2:1



PE N L3 L2 L1
GREEN WHITE BLUE RED BLACK

Connector back view

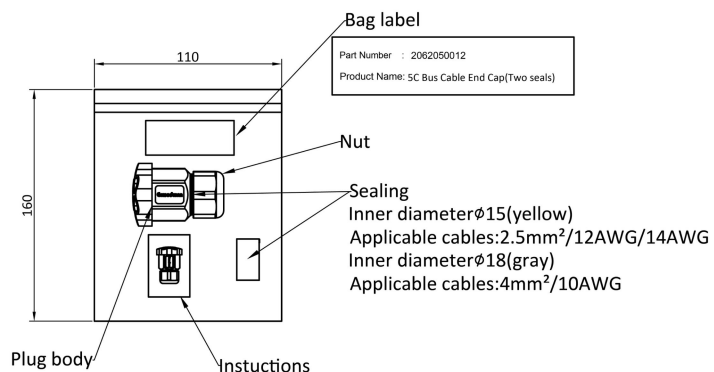
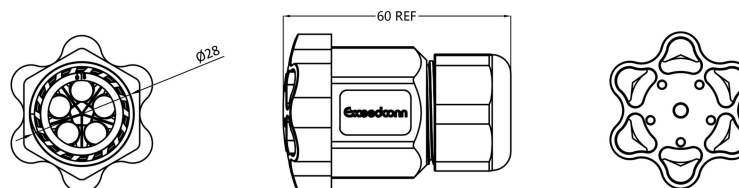


TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTERNERGY POWER
X.	±3.00	X°	±3.00°			
.X	±2.00	.X°	±2.00°			
.XX	±1.00	.XX°	±1.00°			
.XXX	±0.50	.XXX°	±0.50°			NAME
DWN.				UNIT	mm	3-phase 5C Bus Cable (12AWG,TC,4.6m)
CHK.				SHEET	OF	DRAWING NO.
					REV.	0.1

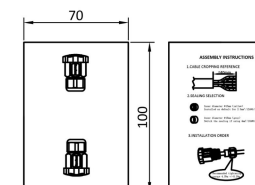
2062050012_5C Bus Cable End Cap(Two seals)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Instructions



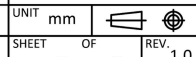
Notes:

Mechanical:

1. Cable and Connector Retention Force: $\geq 120\text{N}$;
2. Applicable cables: 2.5mm², 4mm², 10AWG, 12AWG, 14AWG
3. Sealing Inner diameter: Ø15/18mm;

Environmental:

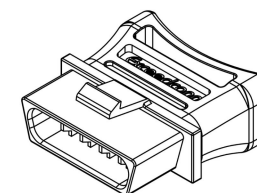
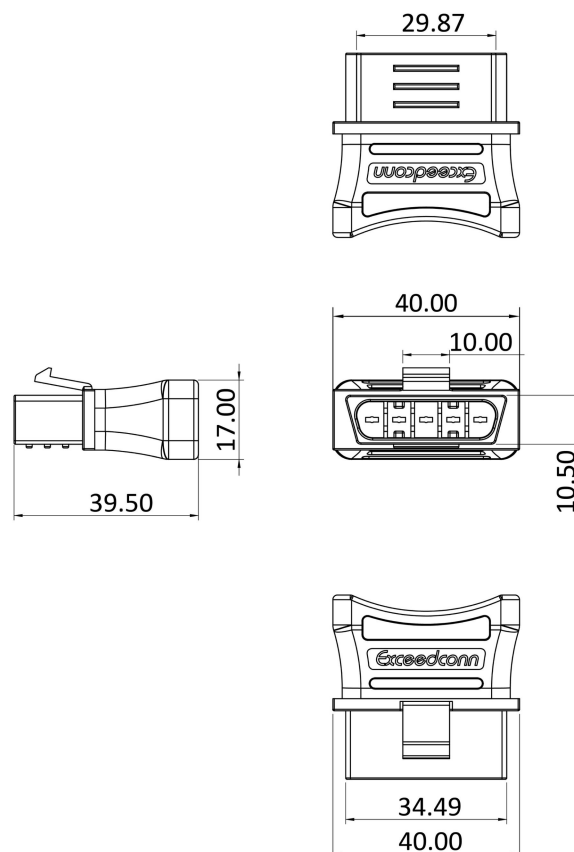
1. Waterproof Rate: IP68 1m 1H;
 2. Application Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$;
- Others:
1. Type No: EN050-1423-00

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTENERGY POWER
X.	±3.00	X"	±3.00"			
.X	±2.00	.X"	±2.00"			
.XX	±1.00	.XX"	±1.00"	NAME		
.XXX	±0.50	.XXX"	±0.50"	5C Bus Cable End Cap(Two seals)		
DWN.				UNIT mm		DRAWING NO.
CHK.				SHEET -- OF --		

2061252032_5-wire Bus Cable T-CONN Cap



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



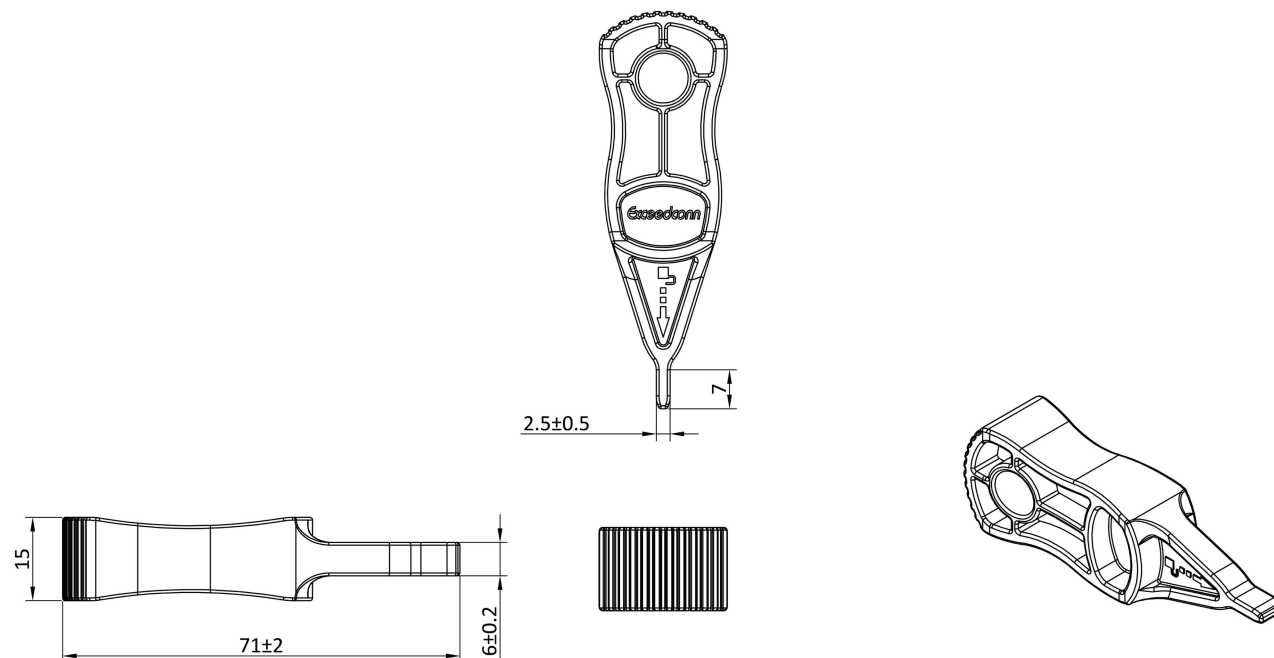
- Notes:
1. Type: MIH-1-01;
 2. Waterproof Rate: IP67;
 3. Mating Cycle: ≥ 50 ;
 4. Part Retention Force: 100N;

TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 APsystems ALTERNATIVE POWER	
X.	±2.00	-			
.X	±1.00				
.XX	±0.64				
.XXX	±0.38				
DWN.	UNIT	mm		NAME	
CHK.	SHEET	OF	REV.	DRAWING NO.	
			0.0	-	

2353000002_5C Connector unlock tool

RoHS
REACH

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Appearance change, name change.	1.0	ZH 2023/3/31



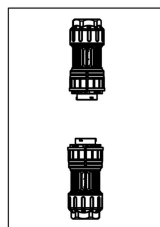
Technical Data:
1. Material: PBT
2. Color: Black

TOLERANCES UNLESS OTHERWISE SPECIFIED			MATERIAL		 APsystems ALTENERGY POWER	
X.	±1.00	X°	±3.00°	PBT		NAME
.X	±0.50	.X°	±2.00°			5C Connector Unlock Tool
.XX	±0.20	.XX°	±.00°			
.XXX	±0.10	.XXX°	±0.50°			
DWN.				UNIT	mm	
CHK.				SHEET	OF	
						REV. 1.0

2301512002_AC Connector(5C,40A,female)



Instruction



Wrench



Notes:

Electric testing:

- 1.Rated Voltage:600V;
- 2.Rated Current:40A;
- 3.Contact Resistance:≤50mΩ;
- 4.Dielectric Withstanding Voltage:3000V
- 5.Insulation resistance: ≥500MΩ;

Mechanical property:

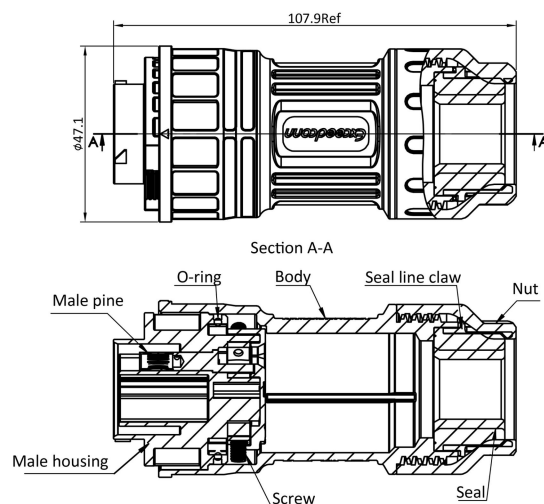
- 1.Mating Cycle: ≥500次;
- 2.Applicable cables: 2.5mm²,4mm²,10AWG,12AWG,14AWG.

Environmental performance:

- 1.Waterproof Rate: IP67 1m-30min(After mating);
- 2.Operating Temperature: -40°C~105°C

Others:

- 1.Type No:EN200-2205-101



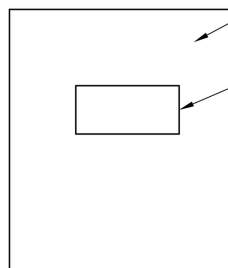
Two seals
Seal inner diameter φ21(black)
For cable size:4mm² or 10AWG

Seal inner diameter φ16(grey)
For cable size:2.5mm²,12AWG or 14AWG

Packing

PE Bag

Bag label

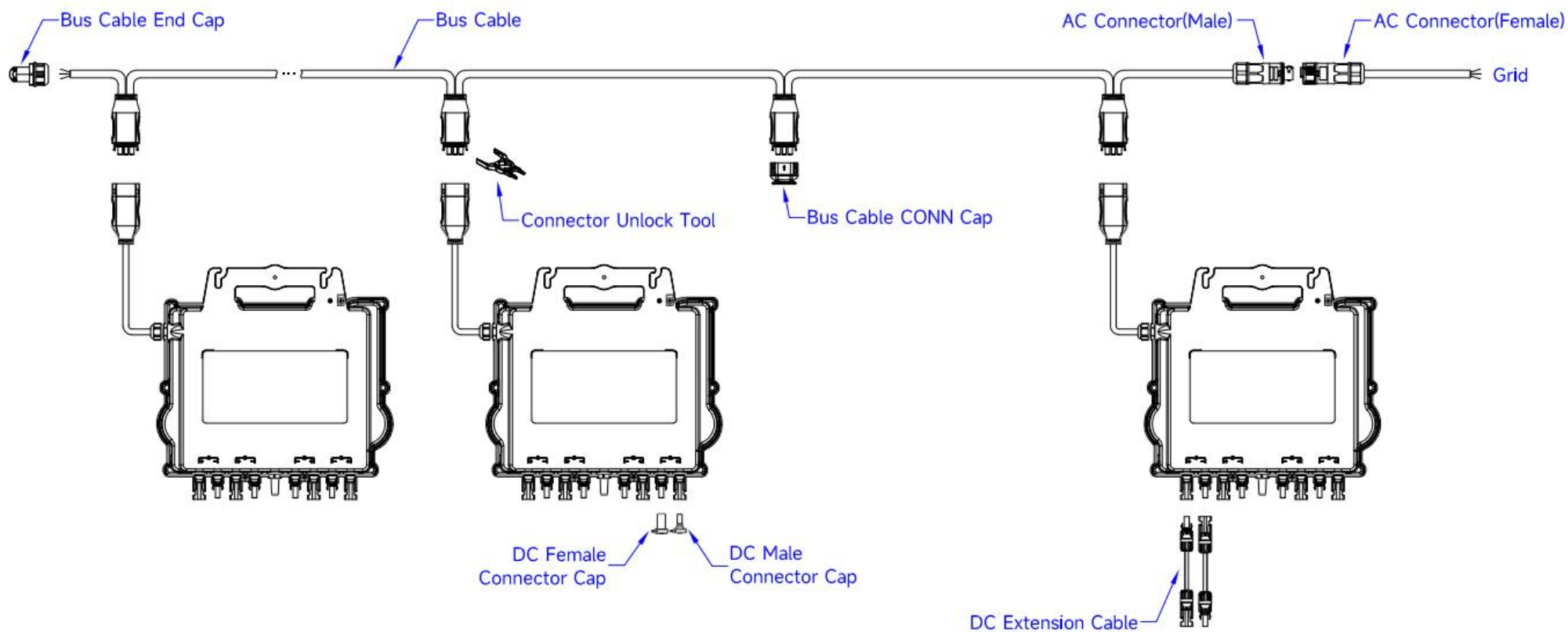


Part Number : 2301512002
Product Name: AC Connector (5C,40A,female)

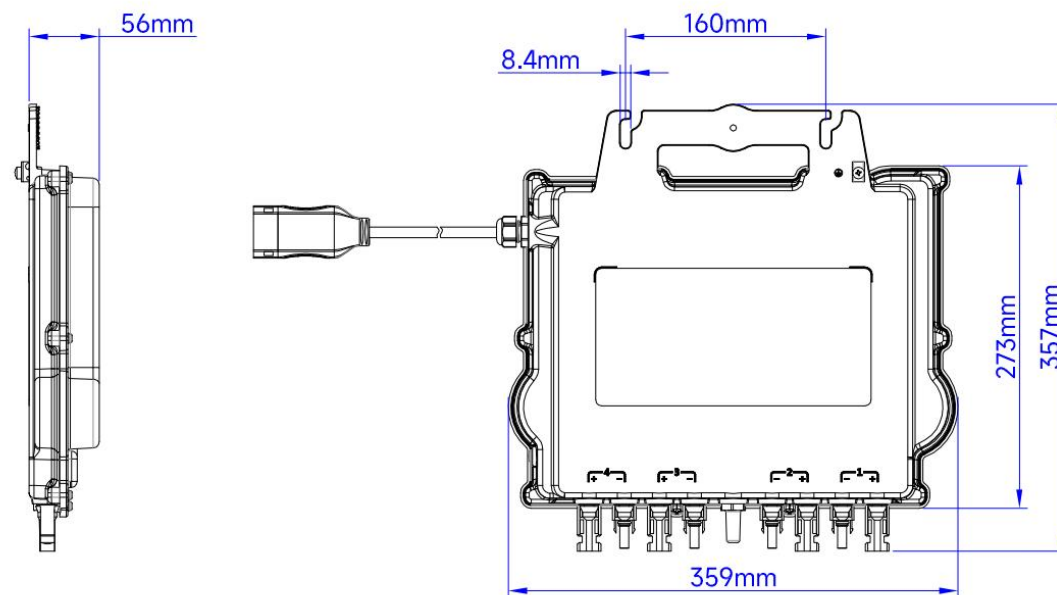
TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTERNATIVE POWER
X.	±1.00	X	±3.00°	-		
.X	±0.50	.X	±2.00°			
.XX	±0.20	.XX	±1.00°			NAME
.XXX	±0.10	.XXX	±0.50°			AC Connector (5C,40A,female)
DWN.				UNIT	mm	DRAWING NO.
CHK.				SHEET	OF	
				-		-

QT2D(3C) Accessories

1. Wiring Diagram



2. QT2D(3C) Dimensions



3. Accessories Summary

Region		Accessories								
		Bus Cable (Mandatory)	Bus Cable End Cap (Mandatory)	Bus Cable CONN Cap (Optional)	Connector Unlock Tool (Mandatory)	DC Male Connector Cap (Optional)	DC Female Connector Cap (Optional)	AC Connector (Male) (Optional)	AC Connector (Female) (Optional)	DC Extension Cable (Optional)
APAC	Taiwan Philippines	2322900713_ 3-phase Bus Cable (10AWG, TC, 4.6m) (See Pic. A)	2060700017_ 3-wire Bus Cable End Cap (See Pic. B)	2061702007_ Bus Cable Y-CONN Cap (See Pic. C)	2355000003_ Y3-DC Connector Unlock Tool (See Pic. D)	2060401006_DC Male Connector Cap (MC4) (See Pic. E)	2060402006_DC Female Connector Cap (MC4) (See Pic. F)	2300931212_AC Connector (3 core, two seals, male) (See Pic. G)	2300932212_AC Connector (3 core, two seals, female) (See Pic. H)	2310310274_1m DC Extension Cable (MC4)
	Sri Lanka Thailand Vietnam Indonesia	2322900813_ 3-phase Bus Cable (4mm ² , H07, 4.6m) (See Pic. A)								2310360214_2m DC Extension Cable (MC4) 2310360224_3m DC Extension Cable (MC4) 2310370236_4m DC Extension Cable (MC4) 2310370246_6m DC Extension Cable (MC4) (See Pic. I)

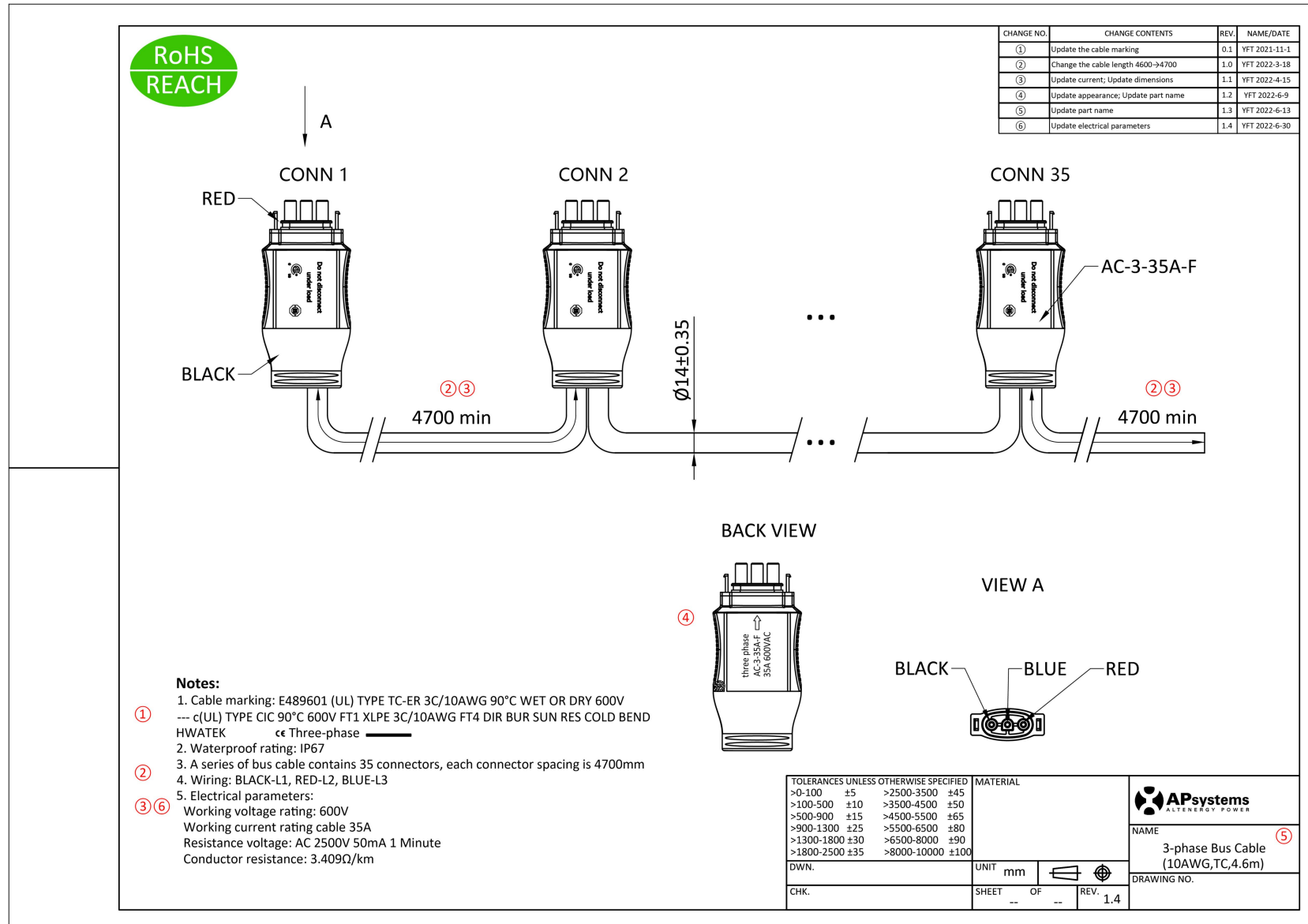
Notes: The cables in this table are recommended by APsystems, and the O.D. and length of the cable can be customized according to customer needs.

4. Physical Picture

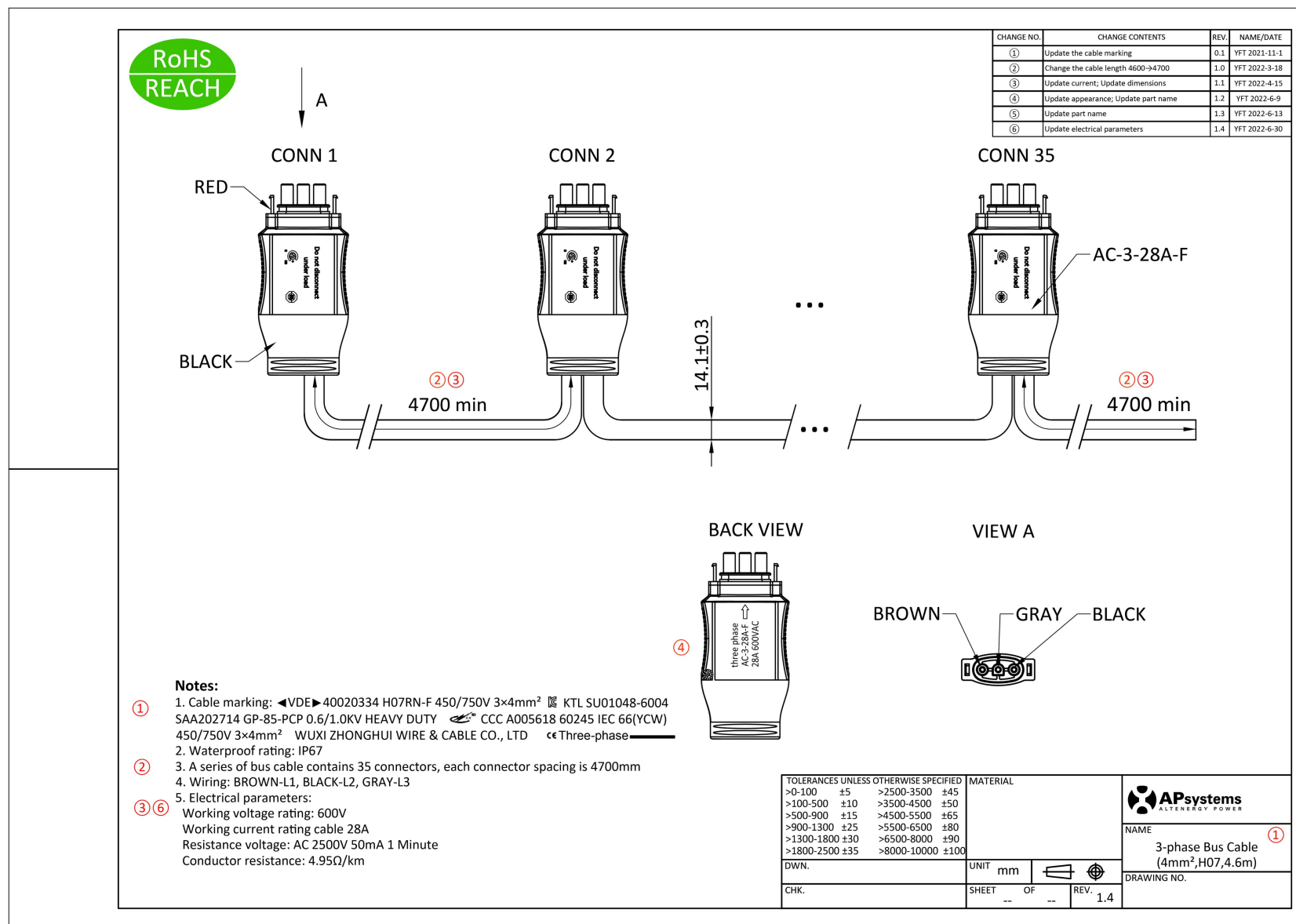
Bus Cable	Bus Cable End Cap	Bus Cable CONN Cap	Connector Unlock Tool	DC Male Connector Cap	DC Female Connector Cap
					
Pic. A	Pic. B	Pic. C	Pic. D	Pic. E	Pic. F
AC Connector (Male)	AC Connector (Female)	DC Extension Cable			
					
Pic. G	Pic. H	Pic. I			

5. Accessories information

2322900713_3-phase Bus Cable(10AWG, TC,4.6m)



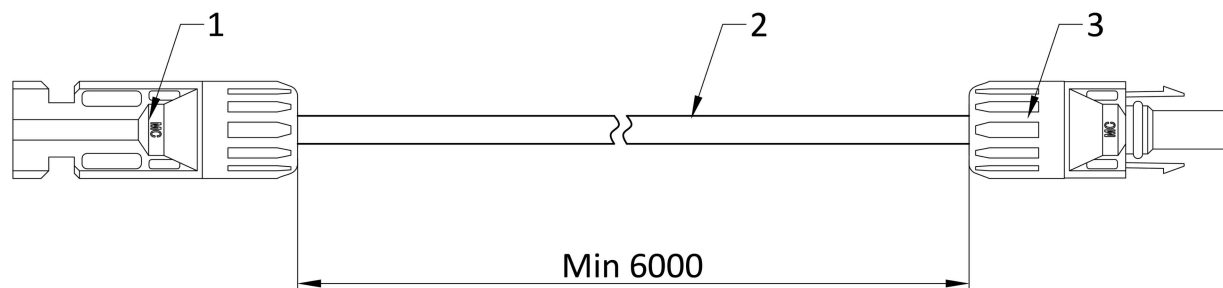
2322900813_3-phase Bus Cable(4mm²,H07,4.6m)



2310370246_6m DC Extension Cable (MC4)

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CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Add alternative cable	0.1	YFT 2022-9-14



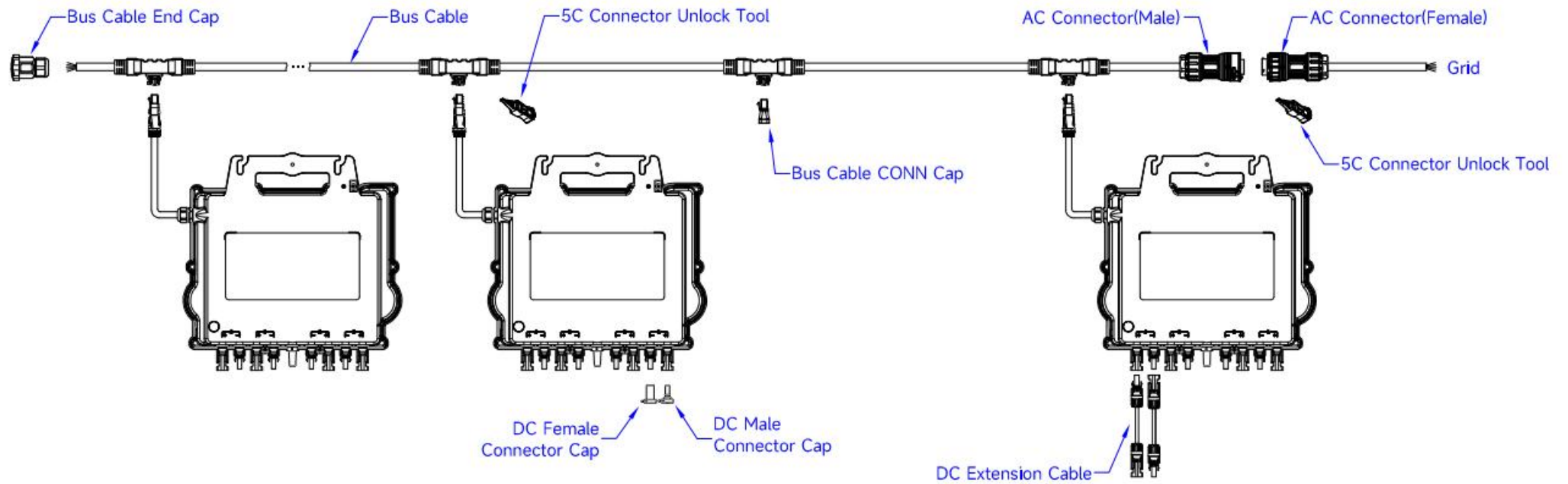
Notes:

1. The DC cable and connector connect firmly, can sustain 100N-60s tension
2. The pin concentric with plastic parts, ensure that there is no contradict phenomenon when male connector inserts into female connector

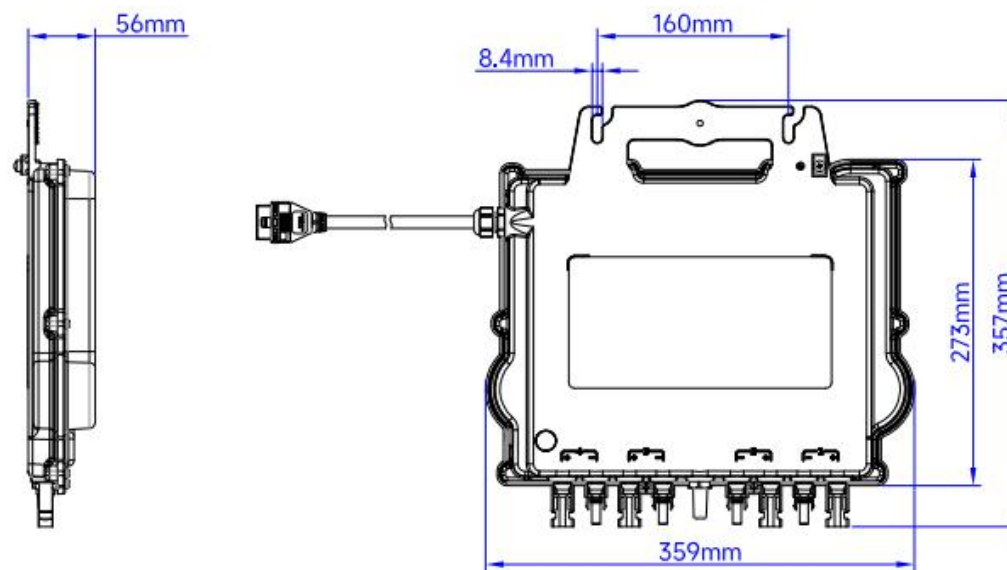
3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
① 2	DC Cable	FLEX-SOL-EVO-DX 4.0		1	4.0mm², TUV/UL certification	
		62930 IEC 131/PV		1	4.0mm²/12AWG, TUV/UL certification	Alternative
1	DC Connector (male)	MC4 PV-KST4/6II		1	Male, STAUBLI	
NO.	NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL				
>0-100	±5	>2500-3500	±45	APsystems ALTERNATIVE POWER NAME 6m DC Extension Cable (MC4) DRAWING NO.		
>100-500	±10	>3500-4500	±50			
>500-900	±15	>4500-5500	±65			
>900-1300	±25	>5500-6500	±80			
>1300-1800	±30	>6500-8000	±90			
>1800-2500	±35	>8000-10000	±100			
DWN.	UNIT		mm			
CHK.	SHEET		OF	REV.	0.1	

QT2D(5C) Accessories

1. Wiring Diagram



2. QT2D(5C) Dimensions



3. Accessories Summary

Region		Accessories								
		Bus Cable (Mandatory)	Bus Cable End Cap (Mandatory)	Bus Cable CONN Cap (Optional)	5C Connector Unlock Tool (Mandatory)	DC Male Connector Cap (Optional)	DC Female Connector Cap (Optional)	AC Connector (Male) (Optional)	AC Connector (Female) (Optional)	DC Extension Cable (Optional)
APAC	Taiwan Philippines	2322904502_3-phase 5C Bus Cable (12AWG,TC,4.6m)	2062050012_ 5C Bus Cable End Cap (Two seals) (See Pic. B)	2061252032_ 5-wire Bus Cable T-CONN Cap (See Pic. C)	2353000002_ 5C Connector Unlock Tool (See Pic. D)	2060401006_DC Male Connector Cap (MC4) (See Pic. E)	2060402006_DC Female Connector Cap (MC4) (See Pic. F)	2301511002_ AC Connector (5C,40A,male) (See Pic. G)	2301512002_ AC Connector (5C,40A,female) (See Pic. H)	2310310274_1m DC Extension Cable (MC4)
		2322909202_3-phase 5C Bus Cable(10AWG,TC,4.6m) (See Pic. A)								2310360214_2m DC Extension Cable (MC4)
	Sri Lanka Thailand Vietnam Indonesia Malaysia -H-MYS: 147211	2322900902_3-phase 5C Bus Cable (2.5mm²,H07,4.6m)								2310360224_3m DC Extension Cable (MC4)
		2322909102_3-phase 5C Bus Cable (4mm²,H07,4.6m) (See Pic. A)								2310370236_4m DC Extension Cable (MC4) 2310370246_6m DC Extension Cable (MC4) (See Pic. I)

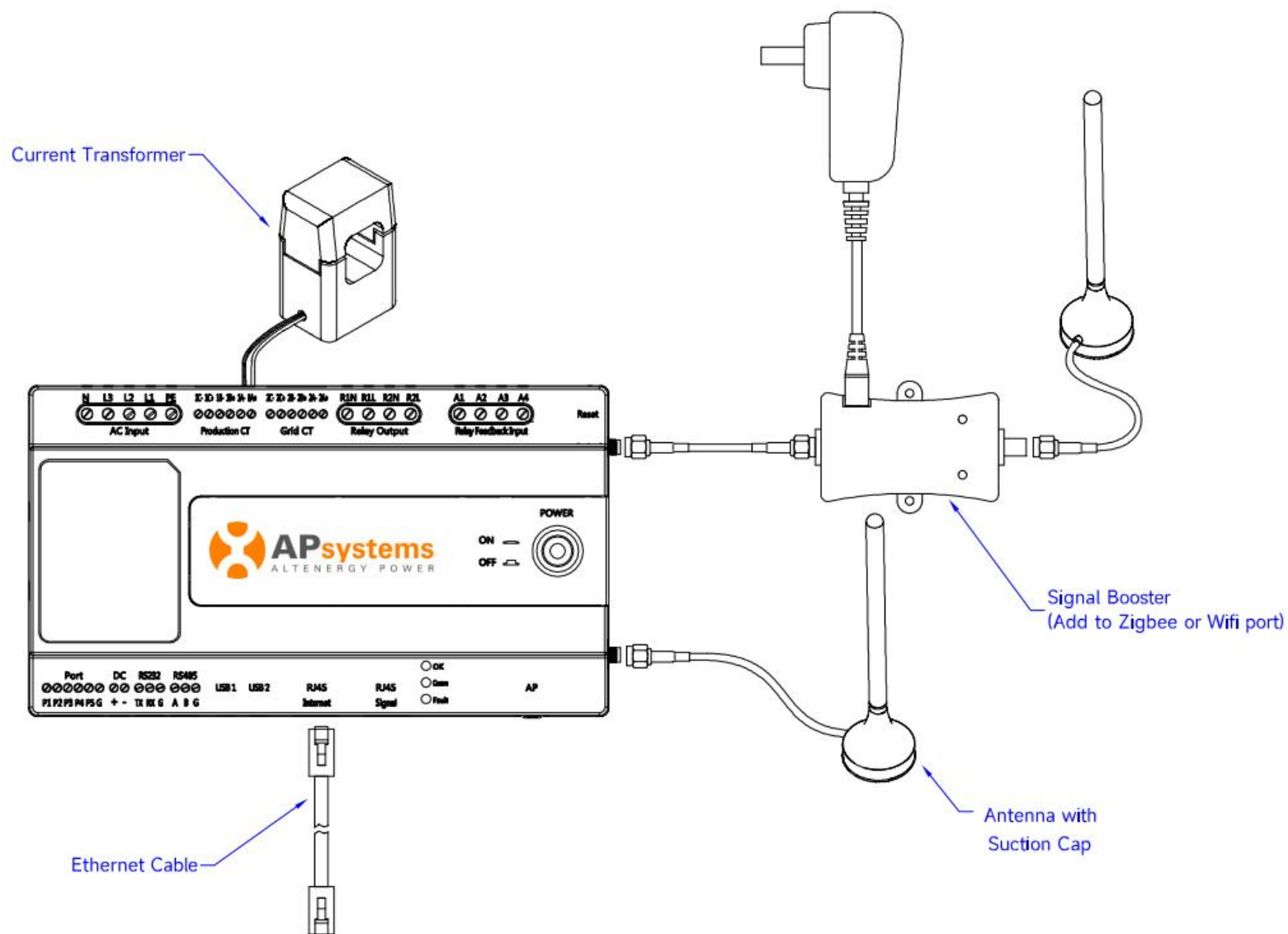
Notes: The cables in this table are recommended by APsystems, and the O.D. and length of the cable can be customized according to customer needs.

4. Physical Picture

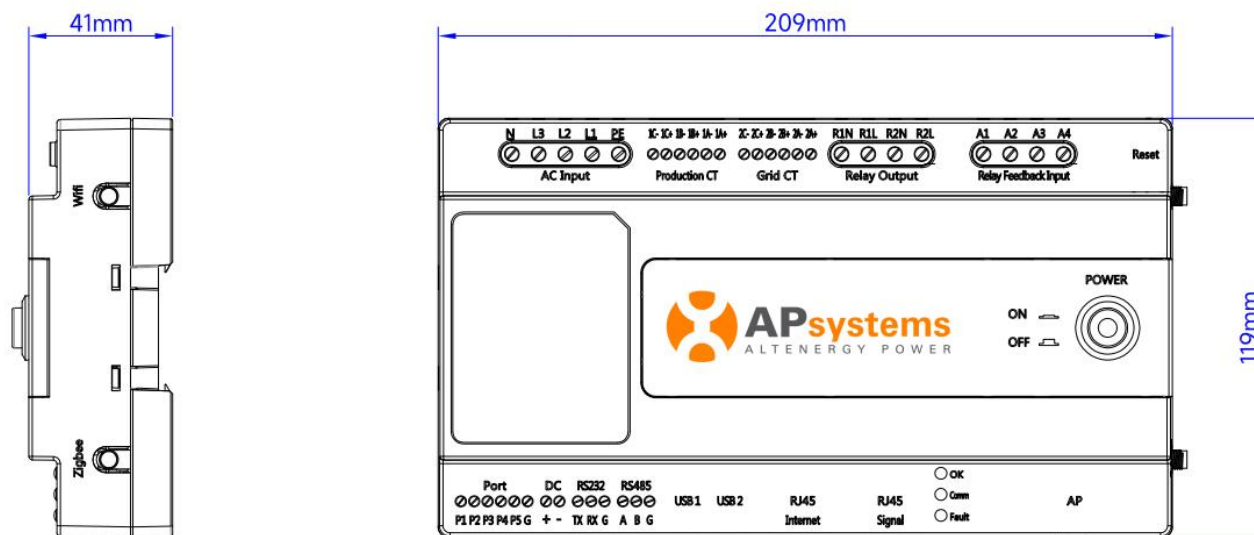
Bus Cable	Bus Cable End Cap	Bus Cable CONN Cap	5C Connector Unlock Tool	DC Male Connector Cap	DC Female Connector Cap
					
AC Connector (Male)	AC Connector (Female)	DC Extension Cable			
					

ECU-C Accessories

1. Wiring Diagram



2. ECU-C Dimensions



3. Accessories Summary

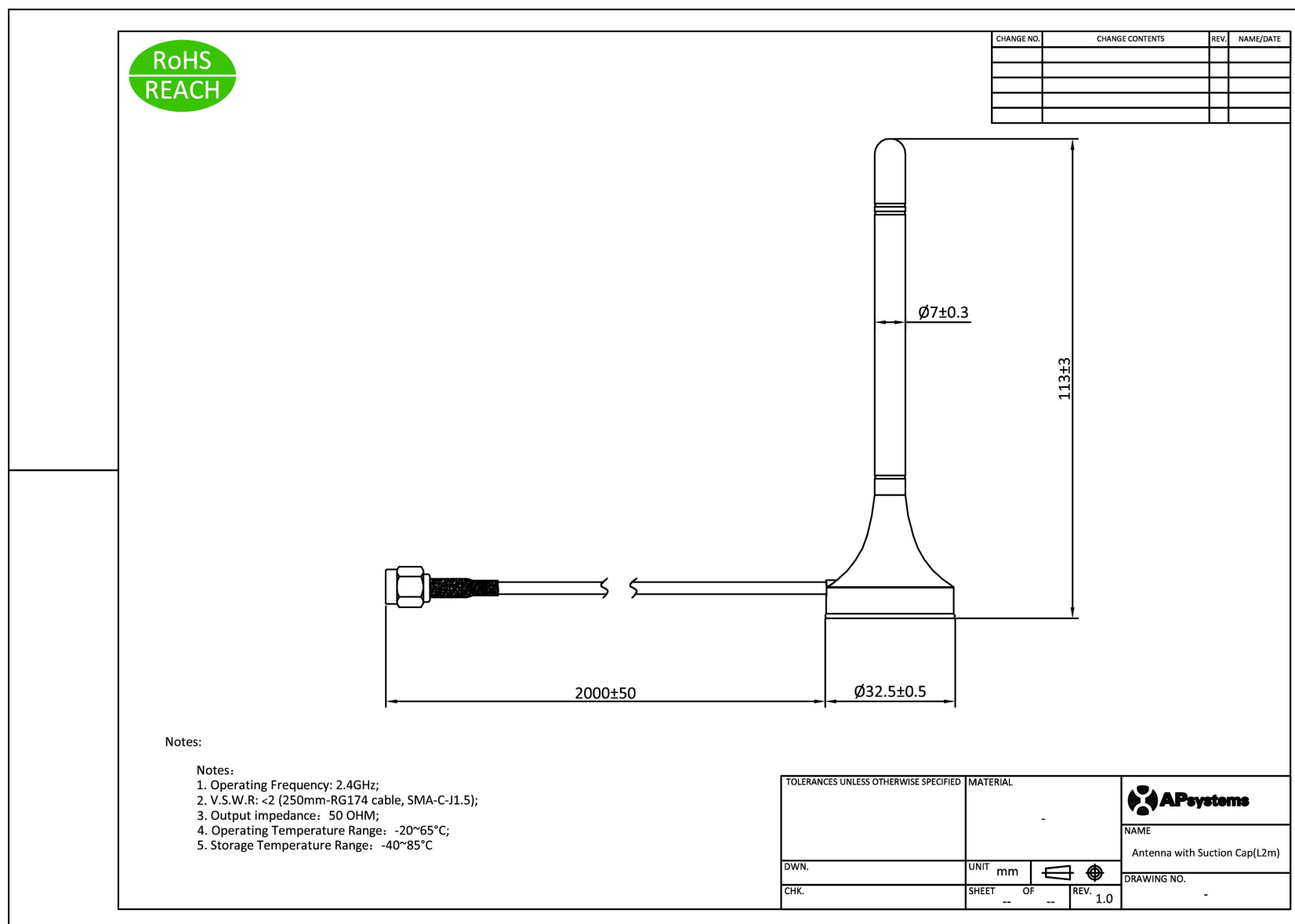
Region		Accessories			
		Antenna with Suction Cap (Supply)	Ethernet Cable (Supply)	Current Transformer (Optional)	Signal Booster (Optional)
APAC	Taiwan Philippines Thailand	Antenna with Suction Cap(L2m) (See Pic. A)	Ethernet cable (See Pic. B)	18083020112_Current Transformer (80A/26.6mA) (See Pic. C)	2376000003_Signal Booster (American Standard) (See Pic. E)
	Sri Lanka Vietnam Indonesia			18083020012_Current Transformer (200A/66.6mA) (See Pic. D)	2376010003_Signal Booster (European Standard) (See Pic. E)

4. Physical Picture

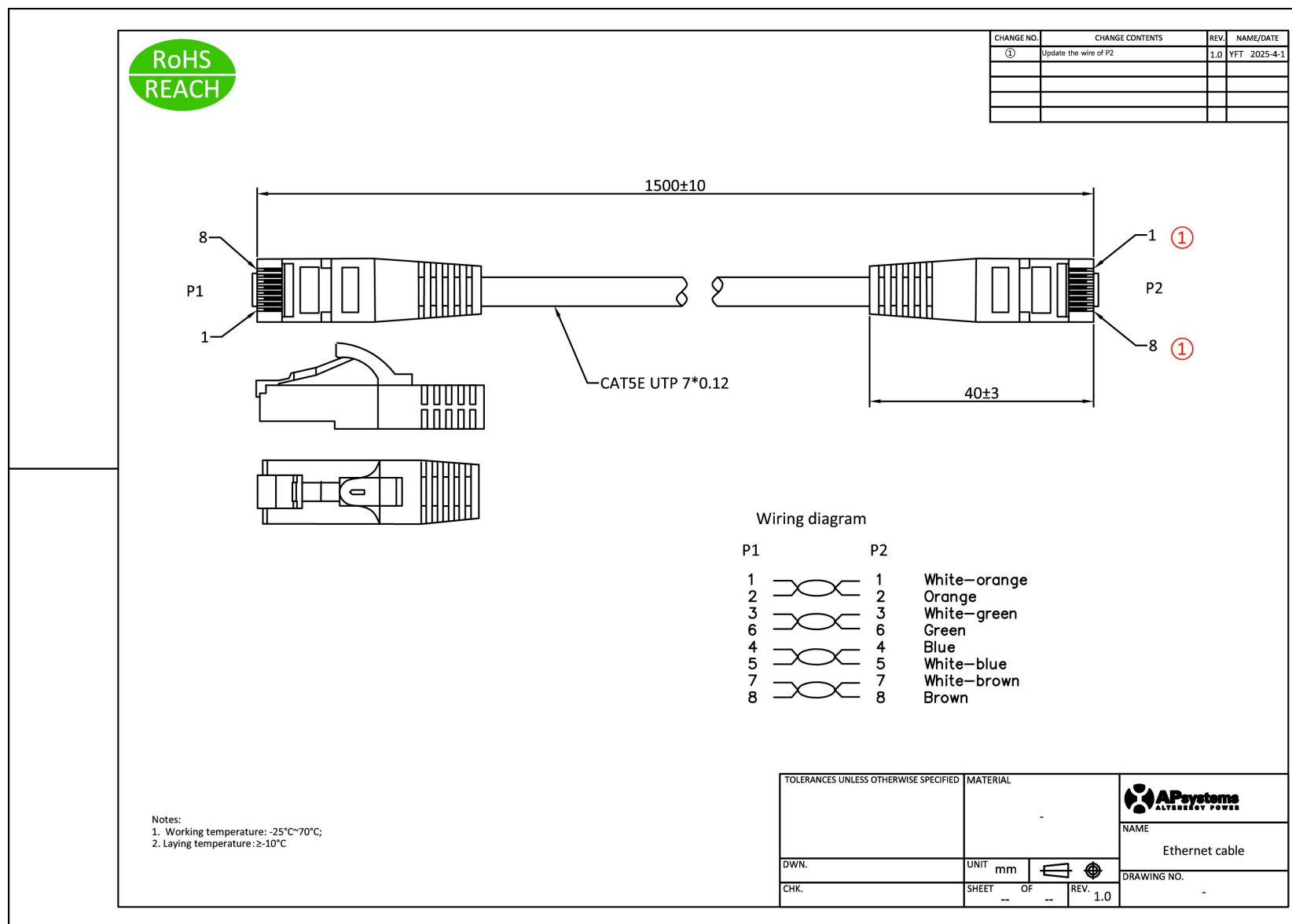
Antenna with Suction Cap	Ethernet Cable	Current Transformer		Signal Booster
 Pic. A	 Pic. B	 Pic. C	 Pic. D	 Pic. E

5. Accessories information

Antenna with Suction Cap(L2m)



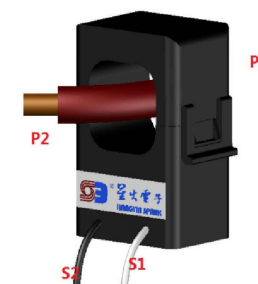
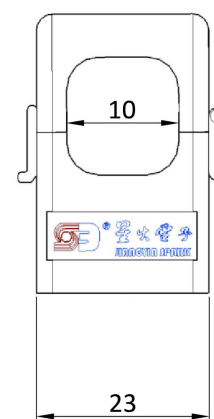
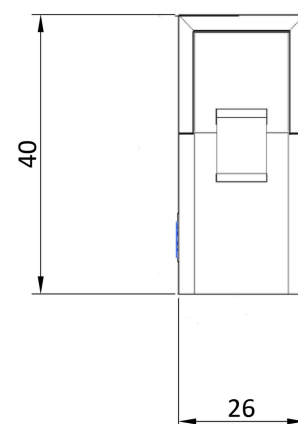
Ethernet cable



18083020112_Current Transformer (80A/26.6mA)

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CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE

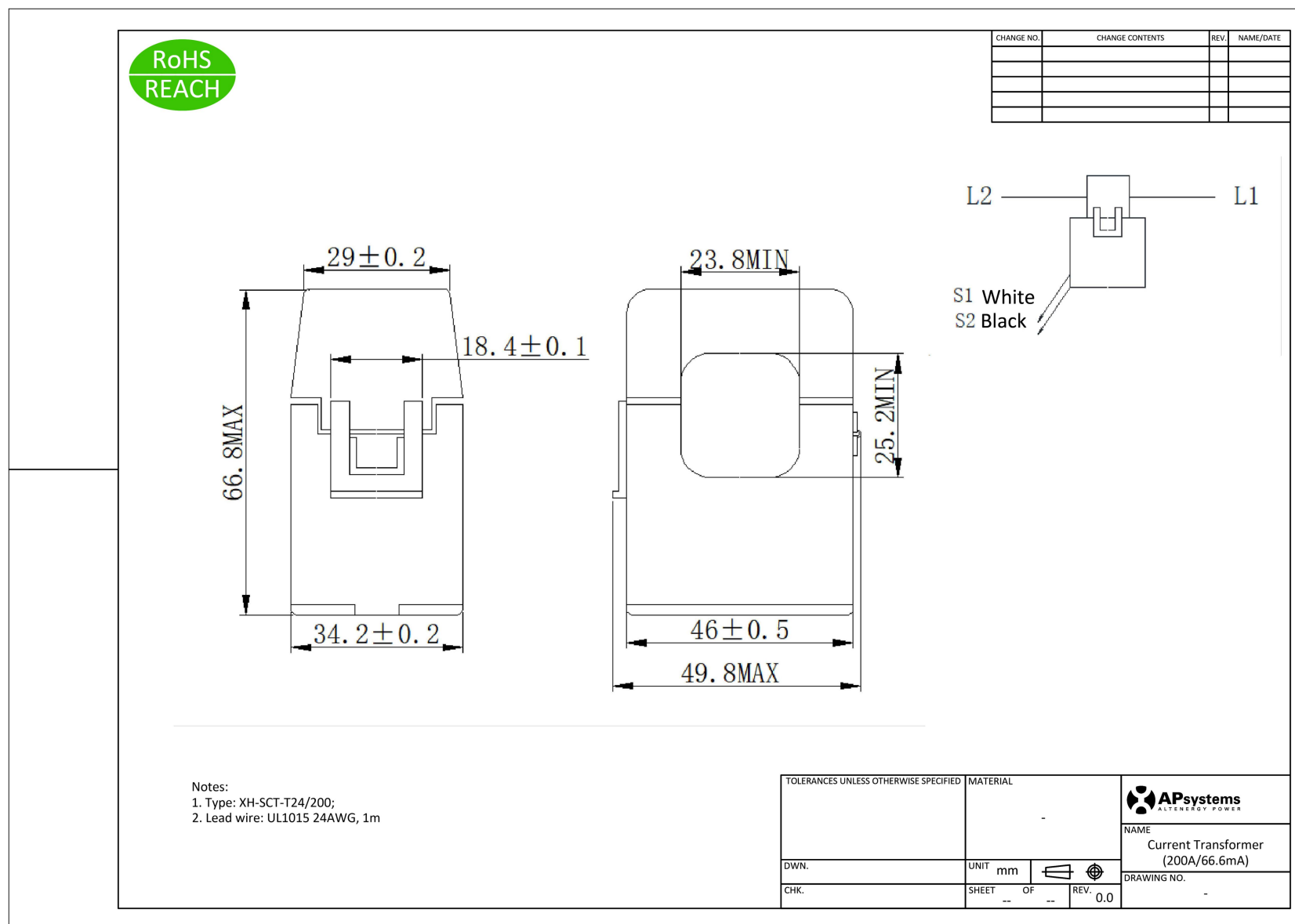


SCT-T10		
Input current(A)	Turn ratio(T)	output voltage(mV)
5-80	1000-3000 Recommended value 3000	333-5000 Recommended value 333

Notes:
1. Type: SCT-T10;
2. Primary current range: 10-3000Arms;
3. Lead wire: UL1007 24AWG, 1m;
4. Working temperature: -25°C~50°C;

TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 NAME Current Transformer (80A/26.6mA)
DWN.	UNIT mm			
CHK.	SHEET -- OF --	REV. 0.0		

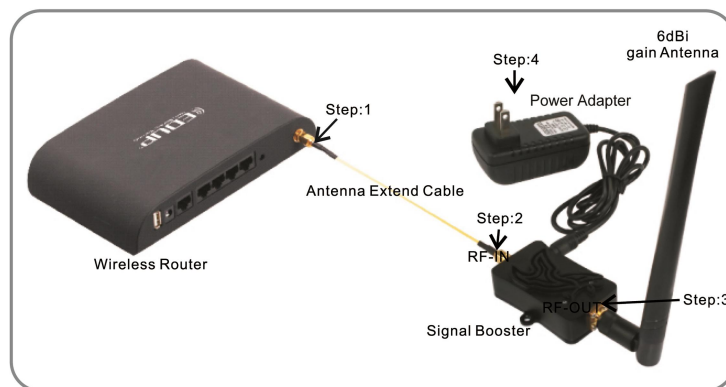
18083020012_Current Transformer (200A/66.6mA)



2376010003_Signal Booster (European Standard) /2376000003_Signal Booster (American Standard)

Wifi booster instruction Manual

- 1.Support Standards:IEEE 802.11b/g/n
- 2.Frequency:2400~2500MHz
- 3.Working Pattern:TDD
- 4.RF Output Power:36dBm[4W]
- 5.Input Trigger Power:Min:3dBm Max:20dBm
- 6.Transmit Gain:13 dB $\pm$ 1
- 7.Receiver Gain:10 dB $\pm$ 1
- 8.TX/RX Switch Time Delay: < 1us
- 9.Noise Figure: < 2.5dB(typical)
- 10.Operating Temp:-40°C~+70°C
- 11.Working Voltage:6-18VDC
- 12.Operating Humidity:up to 95% rel humidity

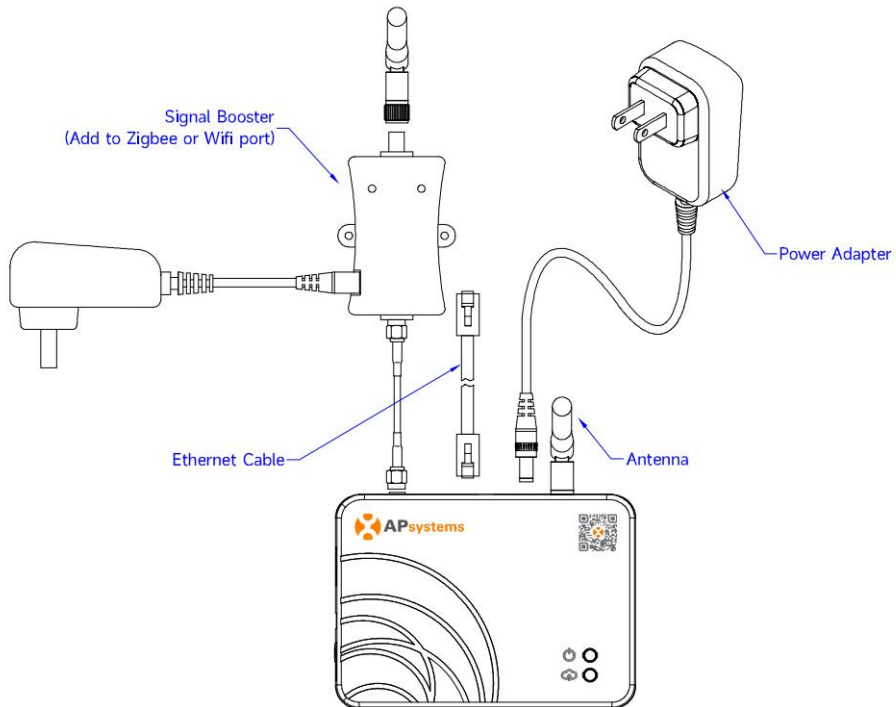


- Step1:Remove the Antenna from the wireless Router (Access Point)
- Step2:Use cable to connect the Booster and AP
- Step3:Connect the Antenna to the other end of Booster
- Step4:Plug in the Power Adapter

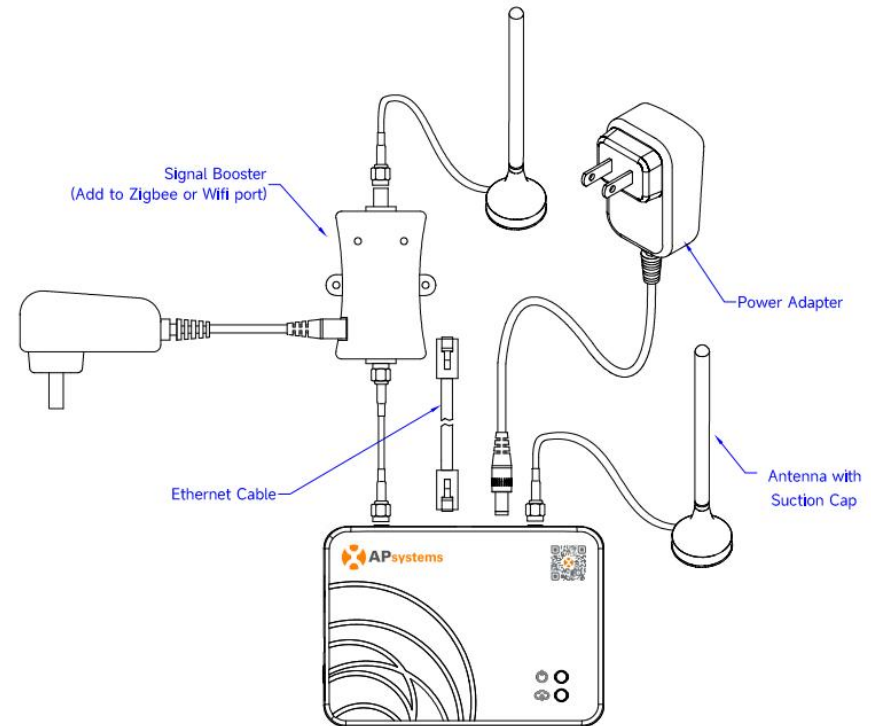
ECU-R Accessories

1. Wiring Diagram

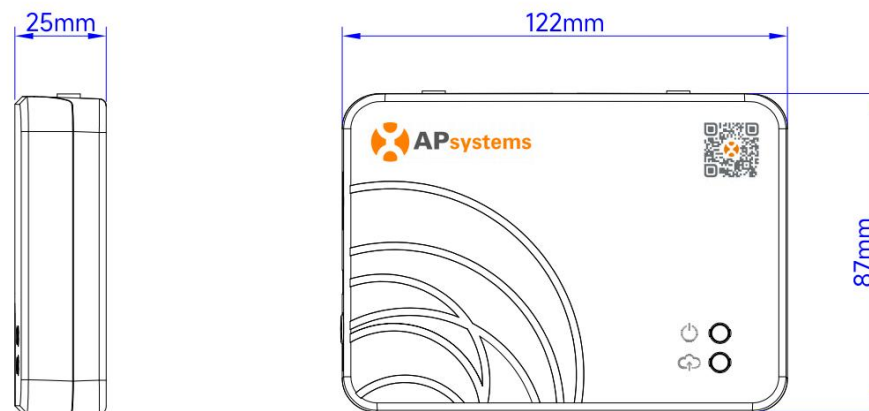
ECU-R-NA/EU



ECU-R-NA(for APAC)/EU(for APAC)/UK(for APAC)



2. ECU-R Dimensions



3. Accessories Summary

Region		Accessories				
		Antenna (Supply)	Antenna with Suction Cap (Optional)	Ethernet Cable (Supply)	Power Adapter (Supply)	Signal Booster (Optional)
APAC	-NA: 209001	Antenna (See Pic. A)	2365090002_Antenna with Suction Cap(L2m) (See Pic.B)	Ethernet cable (See Pic. C)	Power Adapter (US) (See Pic. D)	2376000003_Signal Booster (American Standard) (See Pic. G)
	-EU: 209018				Power Adapter (EU) (See Pic. E)	2376010003_Signal Booster (European Standard) (See Pic. G)

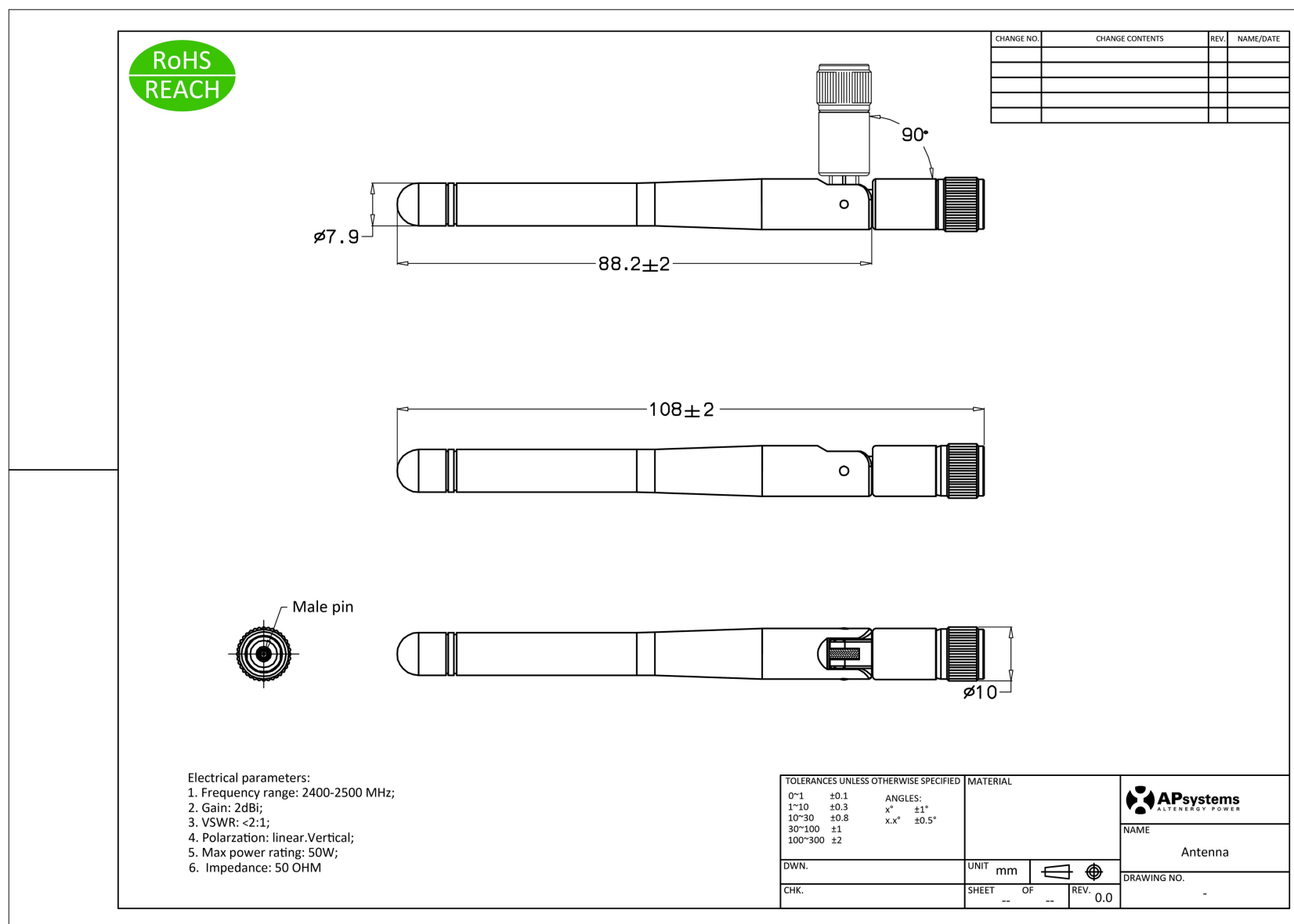
Region		Accessories			
		Antenna with Suction Cap (Supply)	Ethernet Cable (Supply)	Power Adapter (Supply)	Signal Booster (Optional)
APAC	-NA(for APAC): 209091	Antenna with Suction Cap(L2m) (See Pic.B)	Ethernet cable (See Pic. C)	Power Adapter (US) (See Pic. D)	2376000003_Signal Booster (American Standard) (See Pic. G)
	-EU(for APAC): 209090			Power Adapter (EU) (See Pic. E)	2376010003_Signal Booster (European Standard) (See Pic. G)
	-UK(for APAC): 209092			Power Adapter (UK) (See Pic. F)	/

4. Physical Picture

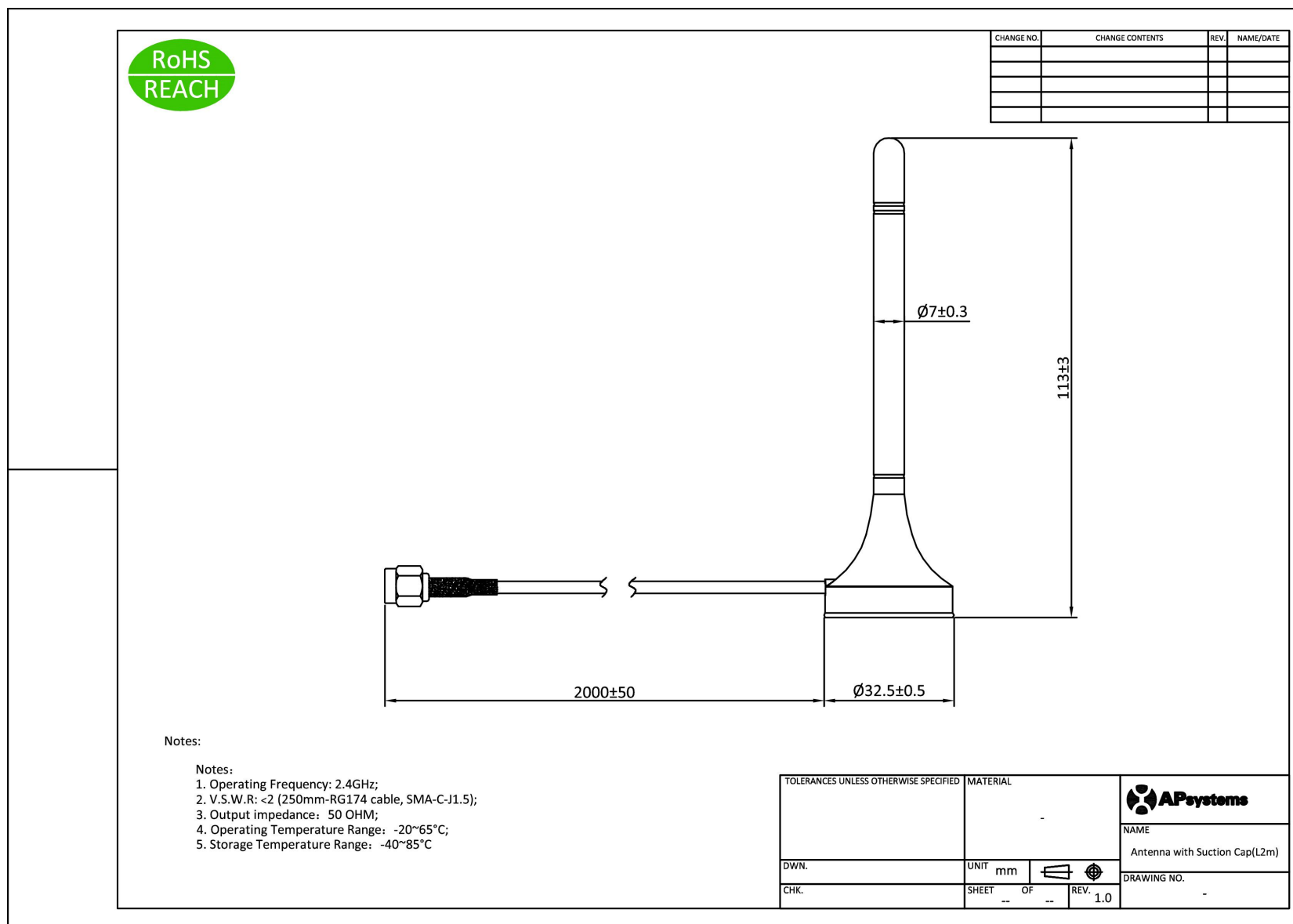
Antenna	Antenna with Suction Cap	Ethernet Cable	Power Adapter		
 Pic. A	 Pic. B	 Pic. C	 Pic. D	 Pic. E	 Pic. F
Signal Booster					
 Pic. G					

5. Accessories information

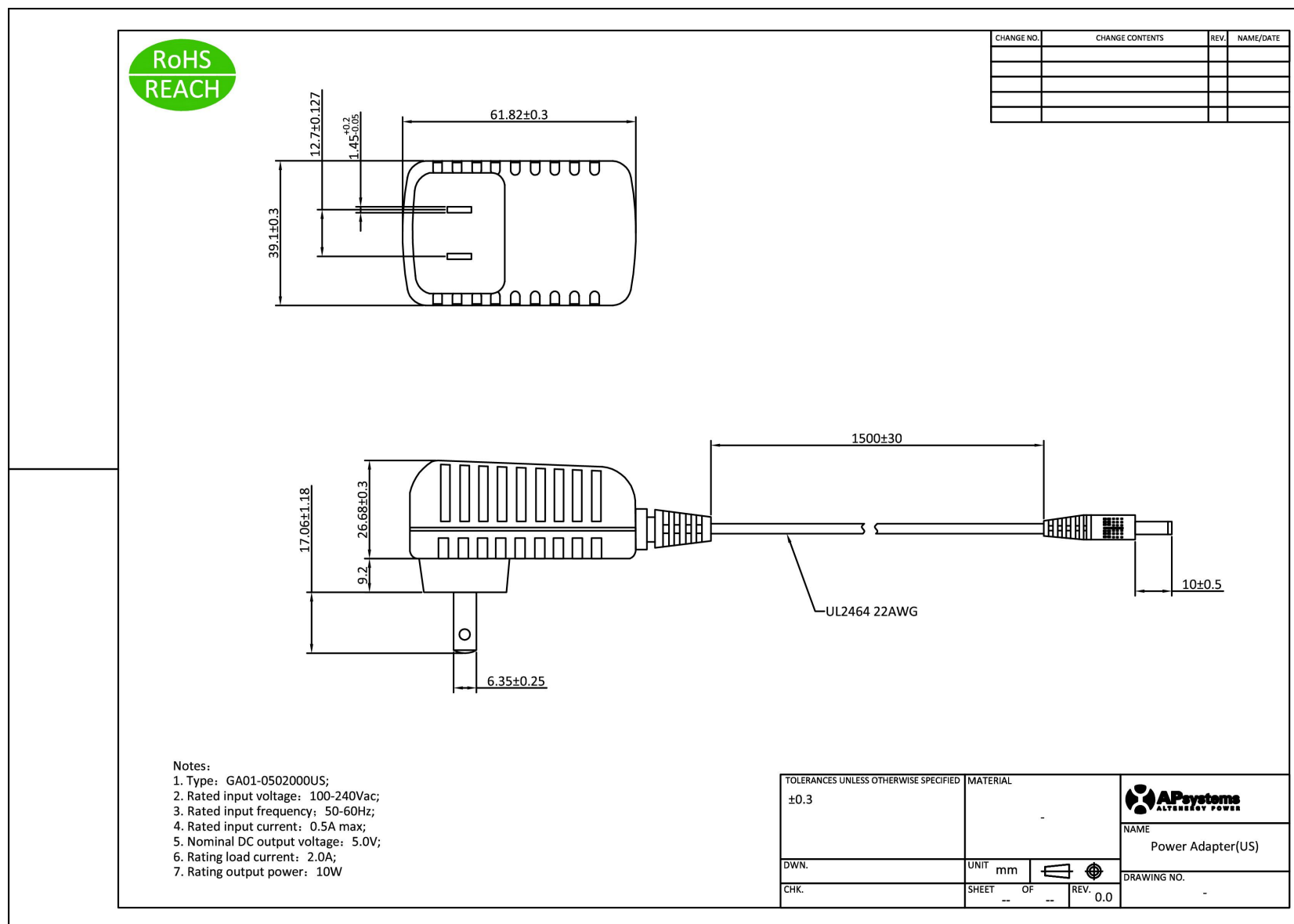
Antenna



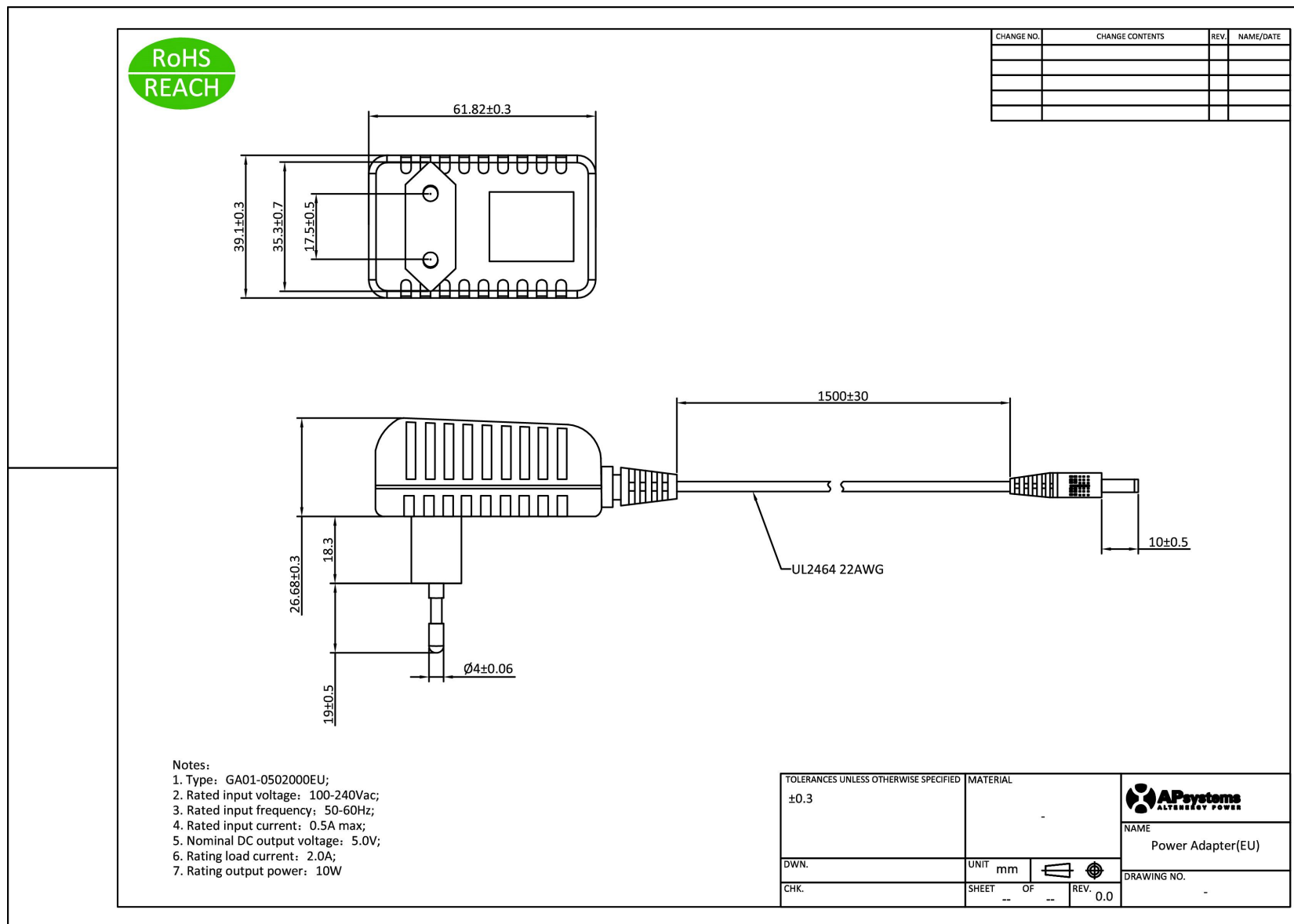
2365090002_Antenna with Suction Cap(L2m)



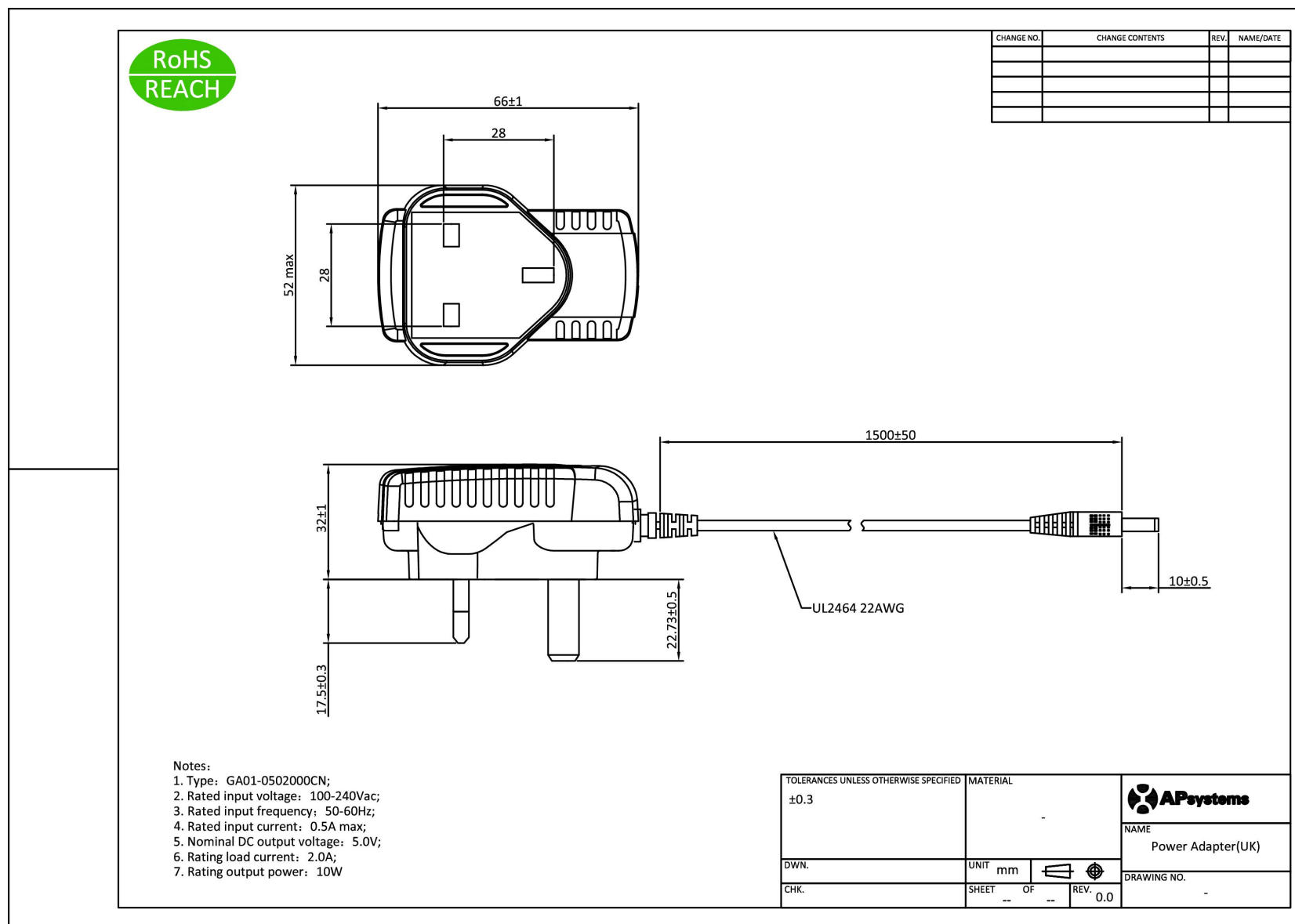
Power Adapter (US)



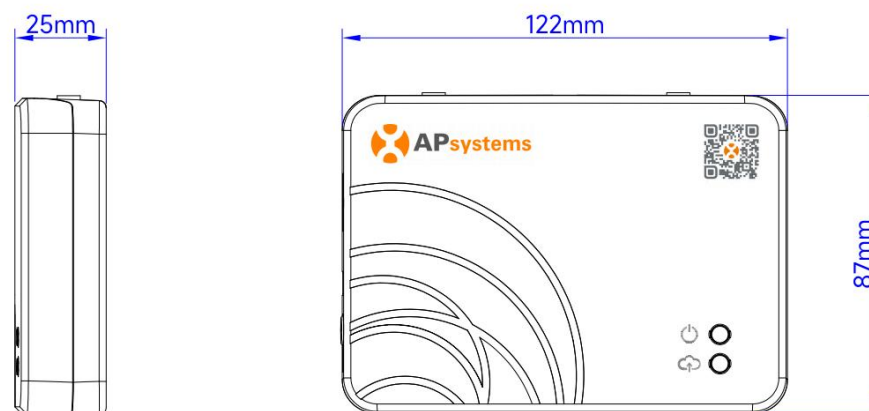
Power Adapter (EU)



Power Adapter (UK)



2. ECU-B Dimensions



3. Accessories Summary

Region		Accessories		
		Antenna (Supply)	Power Adapter (Supply)	Signal Booster (Optional)
APAC	-NA: 211001	Antenna (See Pic. A)	Power Adapter (US) (See Pic. B)	2376000003_Signal Booster (American Standard) (See Pic. D)
	-EU: 211018		Power Adapter (EU) (See Pic. C)	2376010003_Signal Booster (European Standard) (See Pic. D)

4. Physical Picture

Antenna	Power Adapter		Signal Booster
 Pic. A	 Pic. B	 Pic. C	 Pic. D

Revision history		
Version	Change contents	Date
REV1.0	First edition	2022-08-23
REV1.1	Update DS3/DS3D wiring diagram; DS3/DS3D add AC branch extension cable; DS3/DS3D/QT2/QT2D add DC extension cable(MC4); Update Tel	2022-12-03
REV1.2	Update DS3 dimensions; Delete QT2 6m DC extension cable(MC4); Update ECU-C/ECU-R/ECU-B wiring diagram	2022-12-08
REV1.3	Update DS3/DS3D/QT2/QT2D wiring diagram; Change QT2 accessories	2023-02-25
REV1.4	Update QT2 wiring diagram;Update QT2 accessories; Add DS3/DS3D/QT2 bus cable; Update the name of DS3/DS3D/QT2D bus cable end cap	2023-06-16
REV1.5	Update all drawings, add DS3 bus cable(2.5mm ² ,H07,4m)	2023-7-10
REV1.6	Update the DS3/DS3D bus cable and 5C AC Connector drawings; change the 5C Bus Cable End Cap; update the address information	2024-07-31
REV1.7	Change 3C connector unlock tool; Update QT2 dimensions; Update antenna of ECU-R; Update ethernet cable drawing	2025-05-06