



APstorage EZHI & EZ Hybrid System (APAC) Accessories

Rev 1.0

ALTENERGY POWER SYSTEM Inc.
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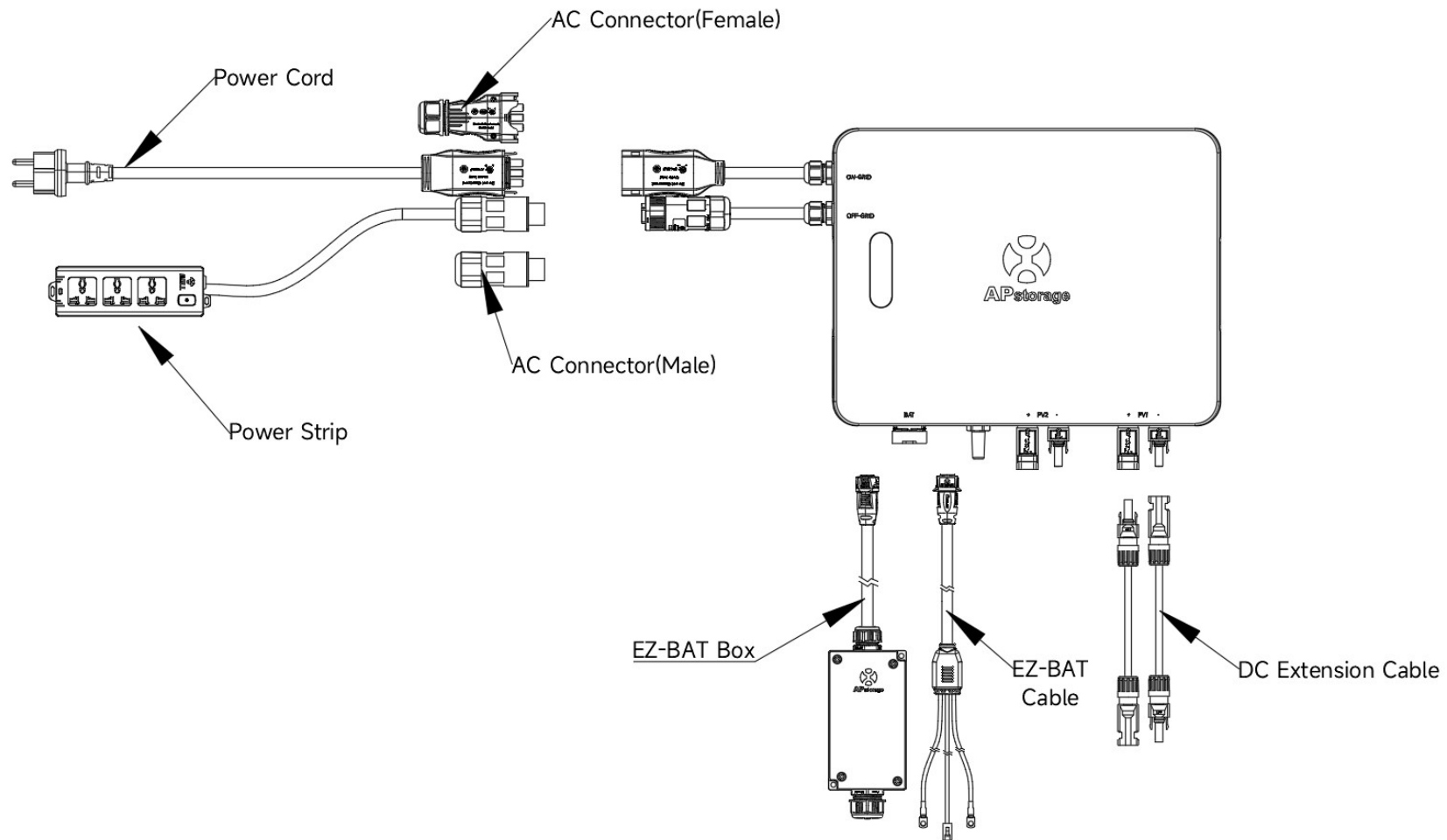
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EZHI Series Accessories

1. Wiring Diagram



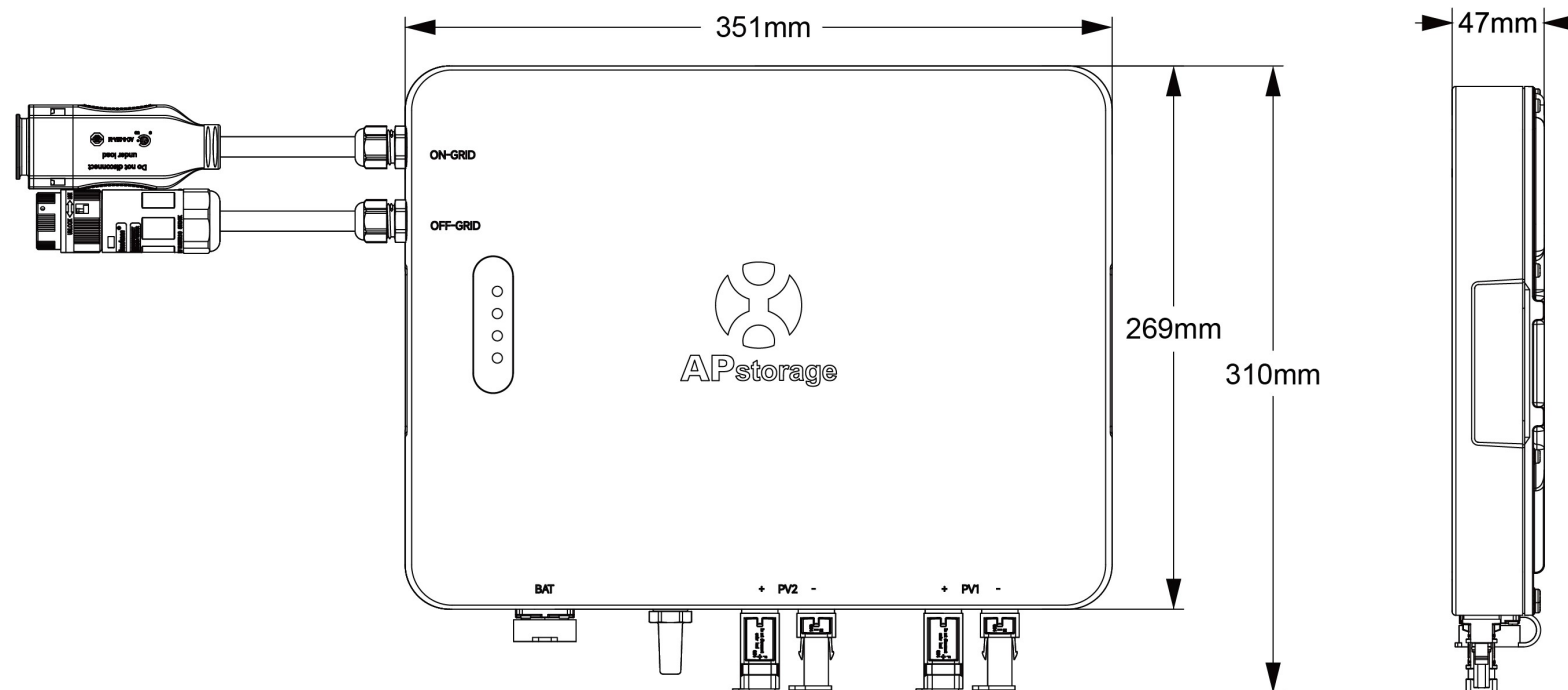
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2. EZHI Dimensions



3. Accessories Summary

Region	Accessories					
	Power Cord (Optional)	Power Strip (Optional)	AC Connector(Female) (Optional)	AC Connector(Male) (Optional)	DC Extension Cable (Optional)	EZ-Bat Accessories (Optional)
APAC -APAC (630001)	2337056532_ US Power Cord (Y3,16AWG,SJTW,3m) (See Pic. A)	2330022113_EZHI Off - grid Universal Power Strip (See Pic. F)	2301432505_ACB3 Connector (3core,female,25A) (See Pic. G)	2300531032_25A AC Male Connector (EN,3-wire) (See Pic. H)	2310360214_2m DC Extension Cable (MC4) (See Pic. I)	2510703003_EZ-Bat Box (See Pic. J)
	2337106532_ UK Power Cord (Y3,2.5mm ² ,H07,3m) (See Pic. B)					
	2337026532_ EU Power Cord (Y3,2.5mm ² ,H07,3m) (See Pic. C)					2313500131_EZ-Bat Cable (See Pic. K)
	2337126532_ EU Power Cord 2 (Y3,2.5mm ² ,H07,3m) (See Pic. D)					
	2337146532_ UK Power Cord 2 (Y3,2.5mm ² ,H07,3m) (See Pic. E)					

4. Physical Picture

US Power Cord (Y3,16AWG,SJTW,3m)	UK Power Cord (Y3,2.5mm ² ,H07,3m)	EU Power Cord (Y3,2.5mm ² ,H07,3m)	EU Power Cord2 (Y3,2.5mm ² ,H07,3m)	UK Power Cord2 (Y3,2.5mm ² ,H07,3m)
				
Pic. A	Pic. B	Pic. C	Pic. D	Pic. E
EZHI Off - grid Universal Power Strip	AC Connector(Female)	AC Connector(Male)	DC Extension Cable	EZ-Bat Box
				
Pic. F	Pic. G	Pic. H	Pic. I	Pic. J

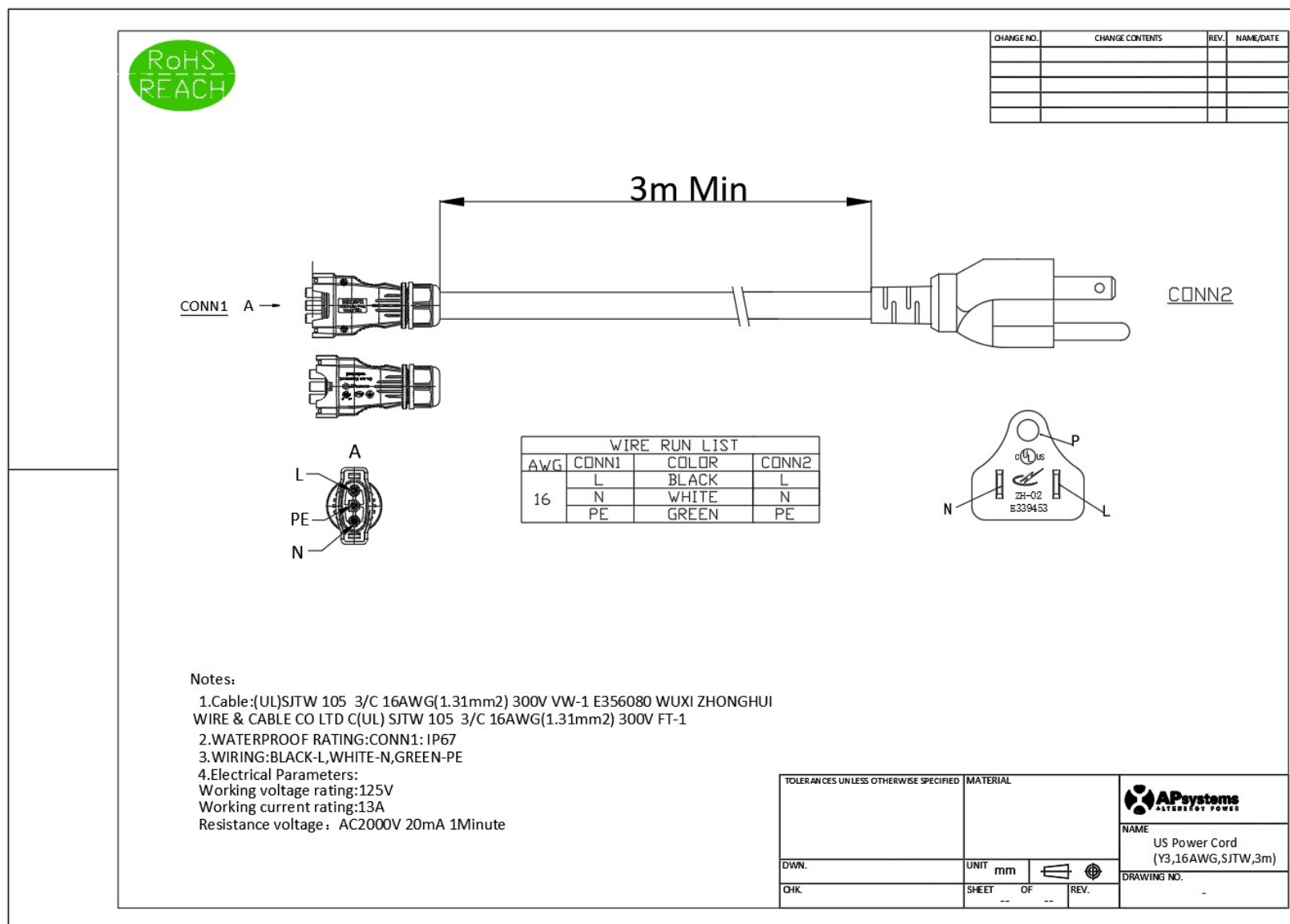
EZ-Bat Cable



Pic. K

5. Accessories information

2337056532_US Power Cord(Y3,16AWG,SJTW,3m)



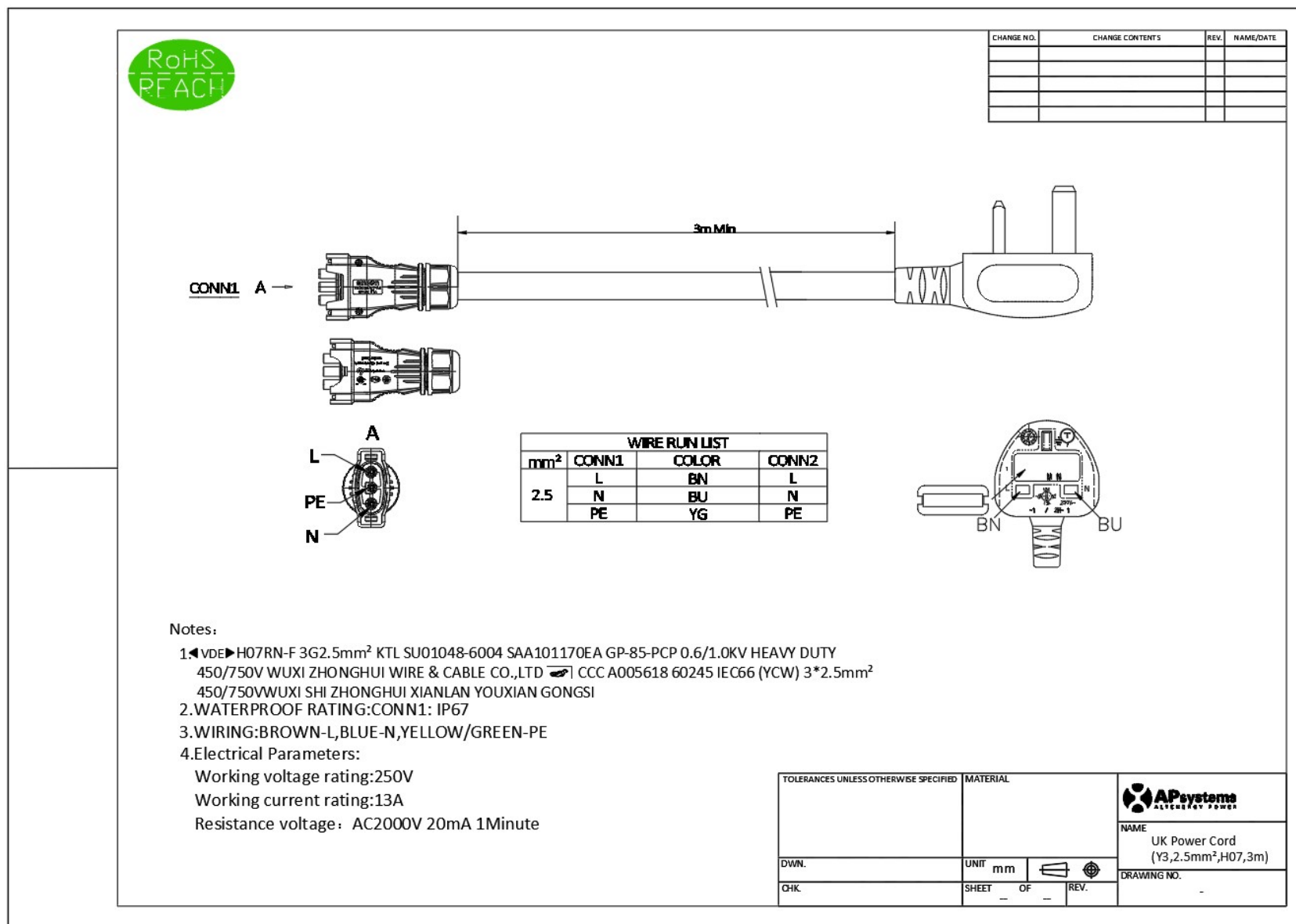
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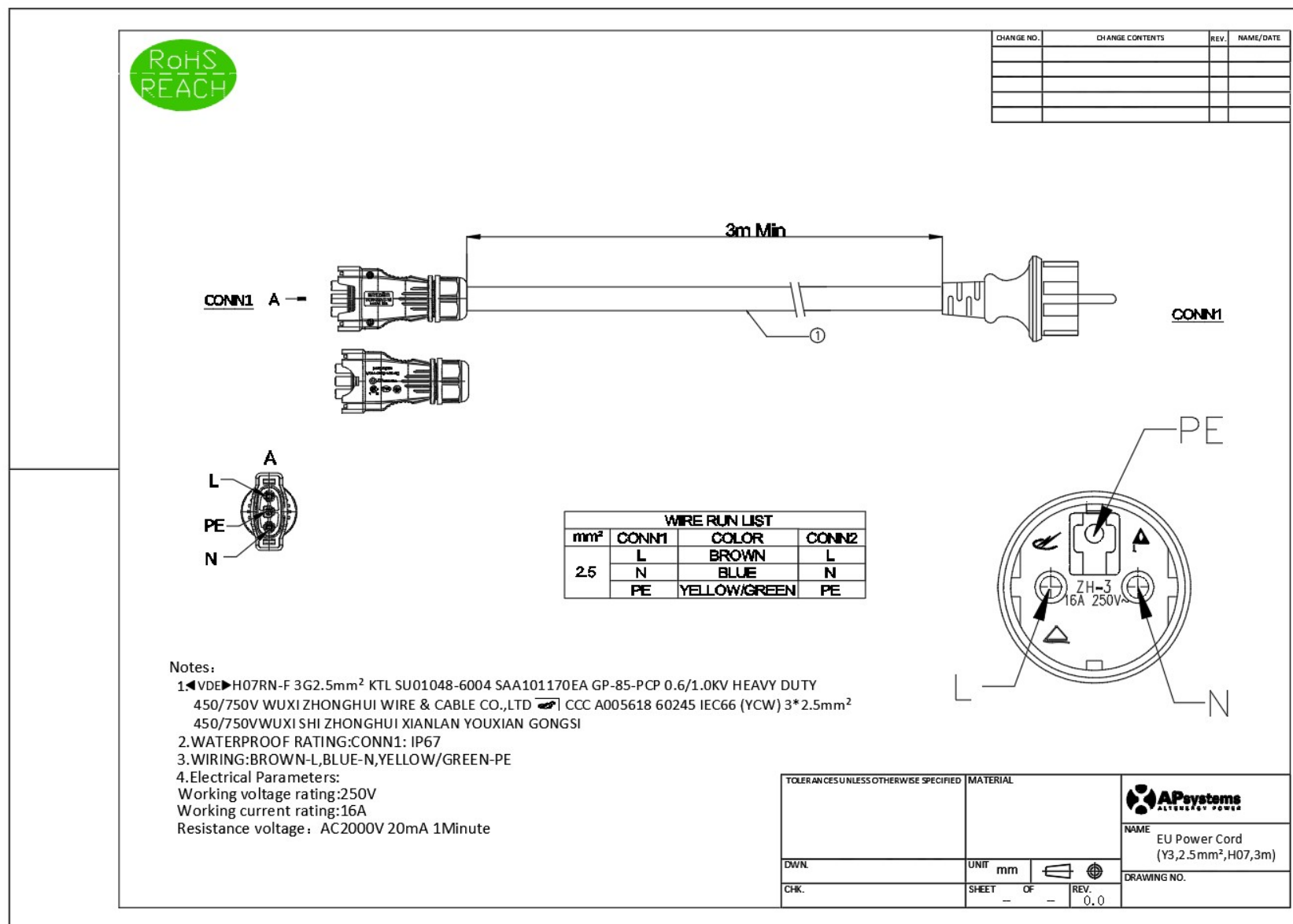
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2337106532_UK Power Cord(Y3,2.5mm²,H07,3m)

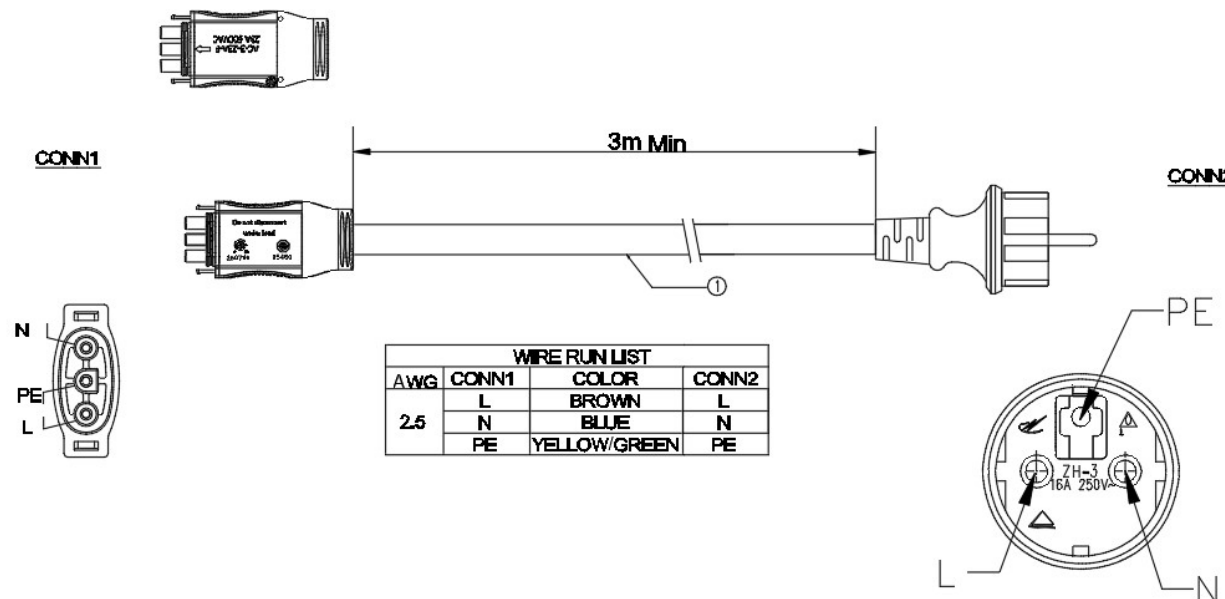


2337026532_EU Power Cord(Y3,2.5mm²,H07,3m)


2337126532_ EU Power Cord 2(Y3,2.5mm²,H07,3m)



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Notes:

1. 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: CONN1: IP67
3. WIRING: BROWN-L, BLUE-N, YELLOW/GREEN-PE
4. Electrical Parameters:
Working voltage rating: 250V
Working current rating: 16A
Resistance voltage: AC2000V 20mA 1Minute

TOLERANCES UNLESS OTHERWISE SPECIFIED	MATERIAL	APsystems ALTERNATE POWER
DWN.	UNIT mm	NAME EU Power Cord2 (Y3,2.5mm ² ,H07,3m)
CHK.	SHEET OF REV. 0.0	DRAWING NO.

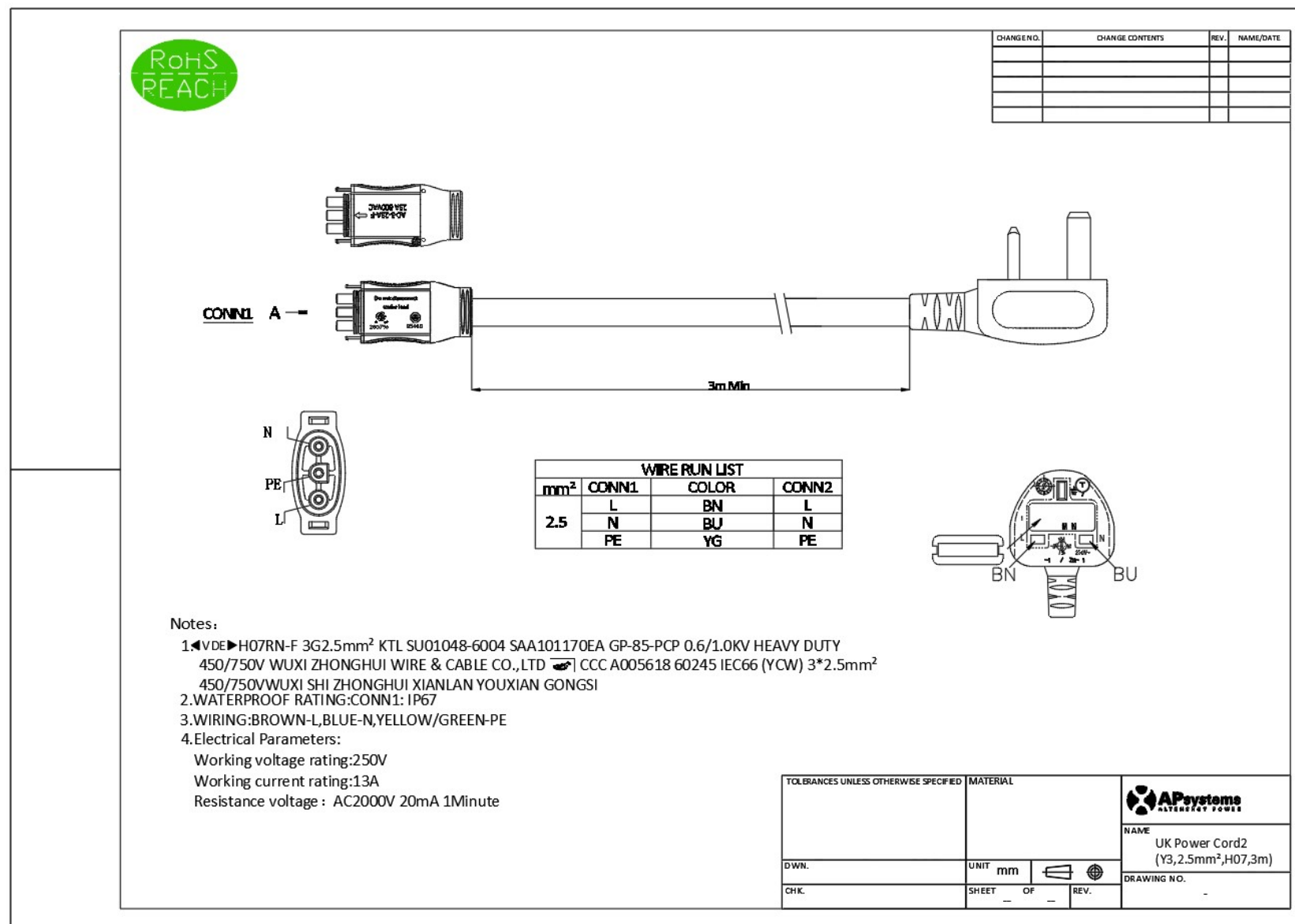
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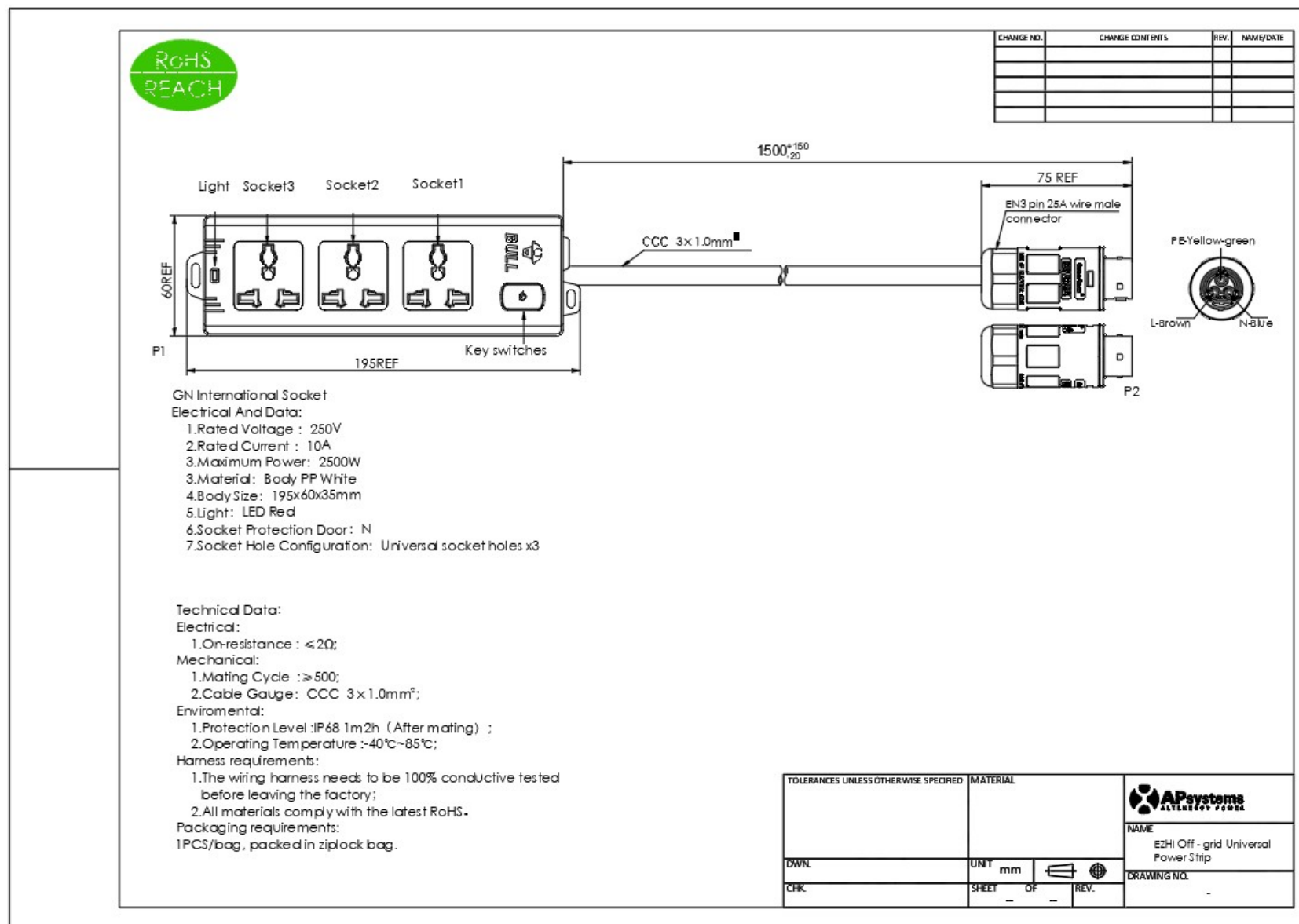
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2337146532_UK Power Cord2(Y3,2.5mm²,H07,3m



2330022113_EZHI Off - grid Universal Power Strip



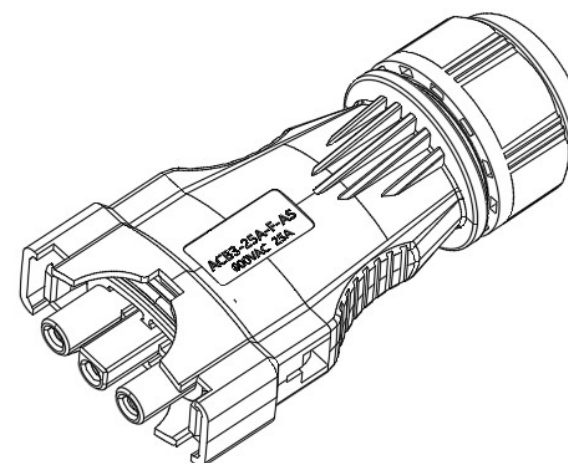
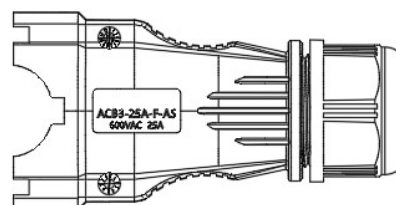
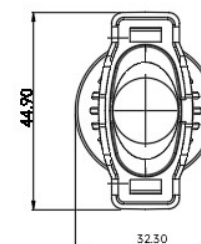
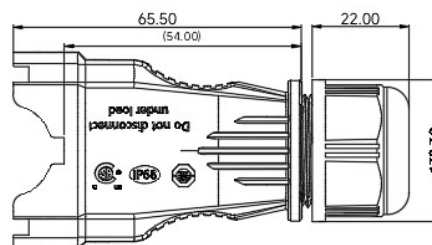
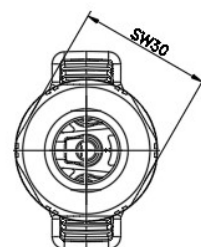
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2301432505_ACB3 Connector(3core,female,25A)

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- Technical parameter:
- 1.Rated voltage: 600VAC
 - 2.Max. current:
 - TUV:25A(2.5mm²)
 - CSA/UL:23A(14AWG)
 - 3.Contact resistance: ≤3mΩ
 - 4.Insulation resistance: ≥500MΩ
 - 5.Ambient Temperature: -40°C~65°C
 - 6.IP code: IP68 (1m,2H)
 - 7.Mechanical life: ≥100次
 - 8.Salt spray test: 24H Neutral salt spr
 - 9.Flame retardant code: UL94-V0
 - 10.UV resistance: f1
 - 11.Adapt cable OD: OD=7~11.5mm
 - 12.M4 Torque: 1.0N.m
 - 13.M26 Torque: 3.5~3.7N.m(Reference)
 - 14.Standard: UL6703 & PPP 59015A
 - 15.Part Number: ACB3-25A-F-AS

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE

TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 NAME ACB3 Connector (3core,female, 25A)
DWN.	UNIT mm			
CHK.	SHEET OF	REV.		DRAWING NO.

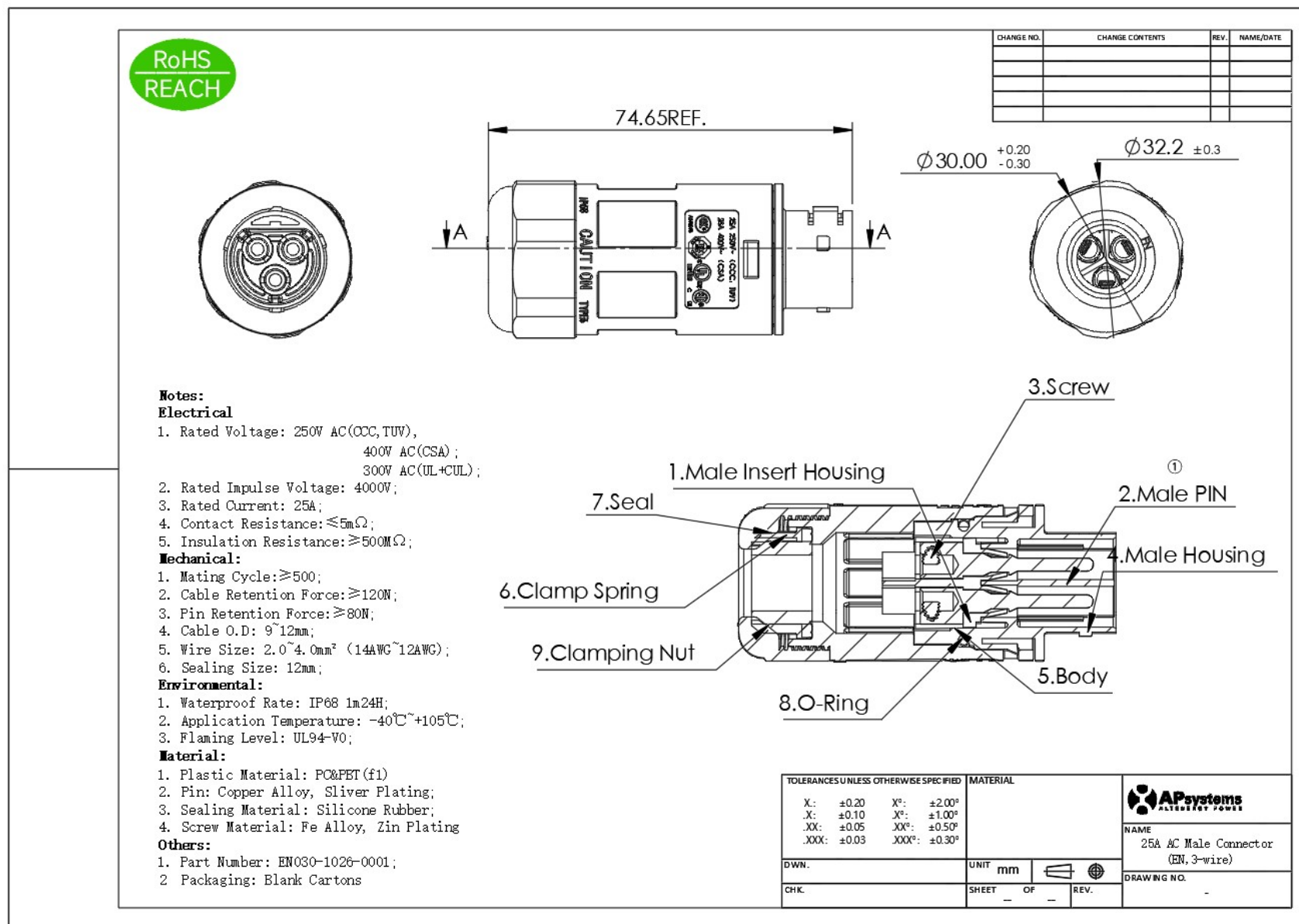
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2300531032_25A AC Male Connector (EN,3-wire)



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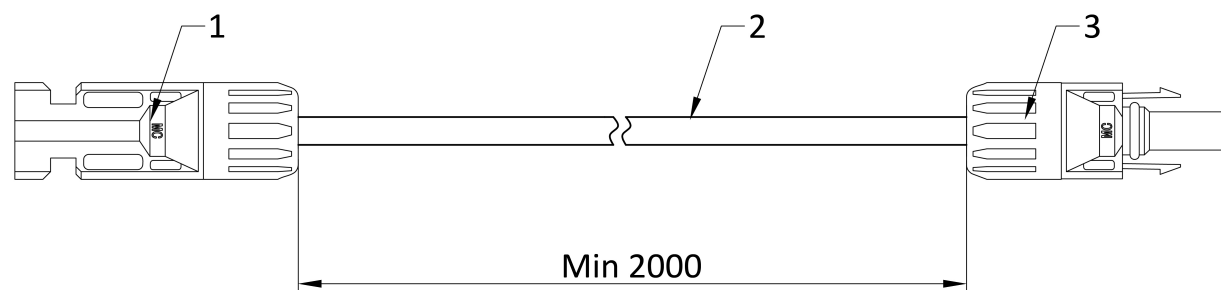
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2310360214_2m DC Extension Cable (MC4)

RoHS
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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

3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
② 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 2m 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.	0.2	

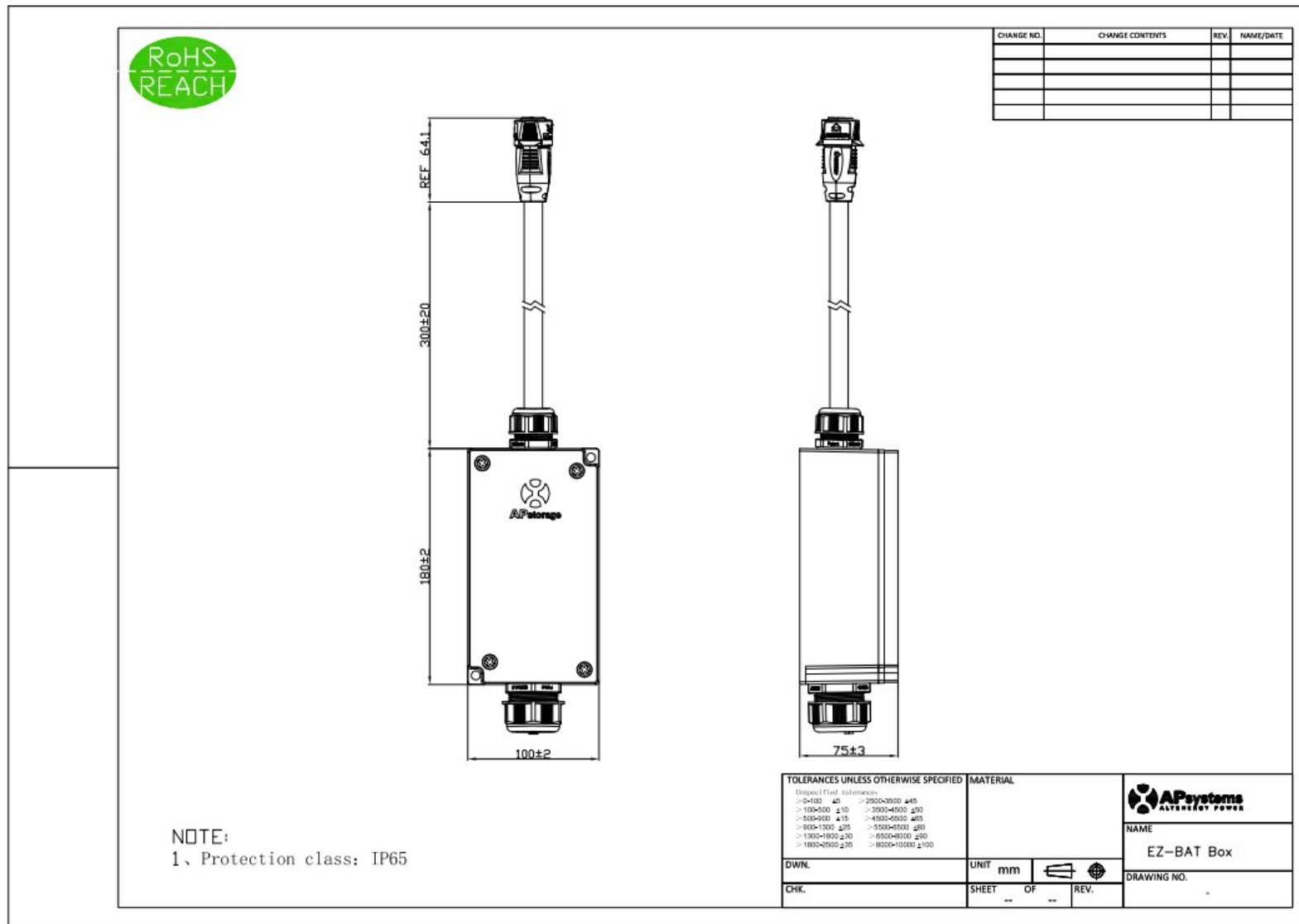
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2510703003_EZ-Bat Box


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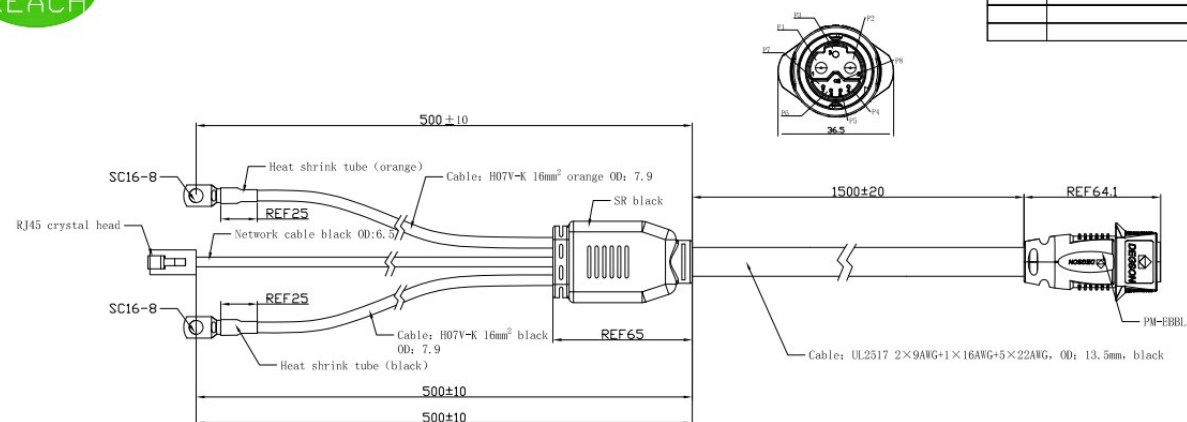
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2313500131_EZ-Bat Cable



CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



RJ45 wiring table	
Hole position serial number	Cable material color
1	green/white
2	green
3	orange/white
4	blue
5	blue/white
6	orange
7	brown/white
8	brown

SR wiring table	
1	2
16mm² orange	red 9AWG
16mm² black	black 9AWG
Network cable blue	black 22AWG
Network cable blue/white	red 22AWG

PM-EBBL		
Hole position serial number	Cable material color	Cable specification
P1	RED	9AWG
P2	BLACK	9AWG
P3	GREEN	16AWG
P4	BLACK	22AWG
P5	GREEN	22AWG
P6	BLUE	22AWG
P7	RED	22AWG
P8	YELLOW	22AWG

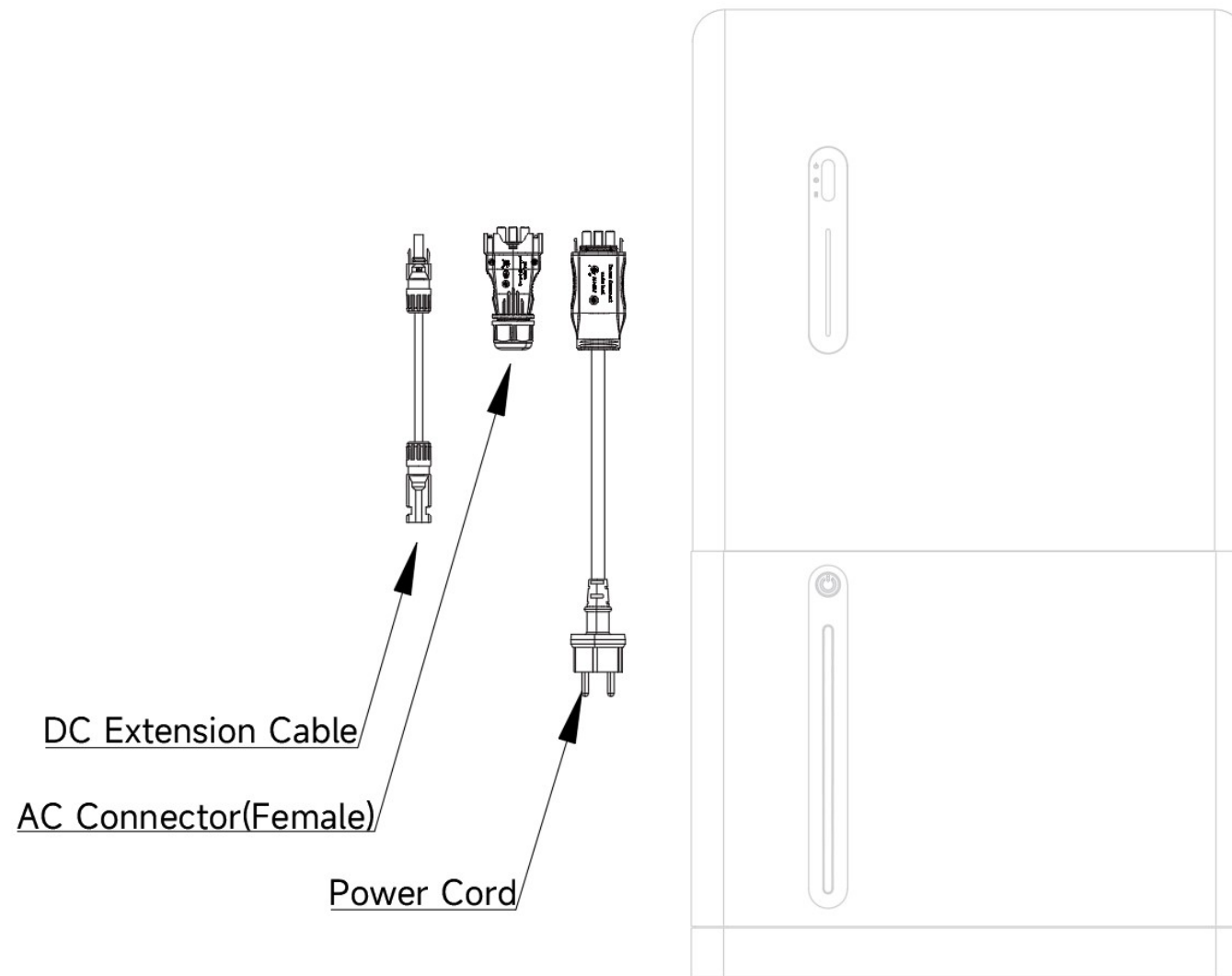
Note:

1. The wiring sequence should follow the instructions in the wiring table. Do not make wrong connections or miss any connections;
2. The crimping of the circular terminal is reliable, and the tensile force meets 102.17kgf.

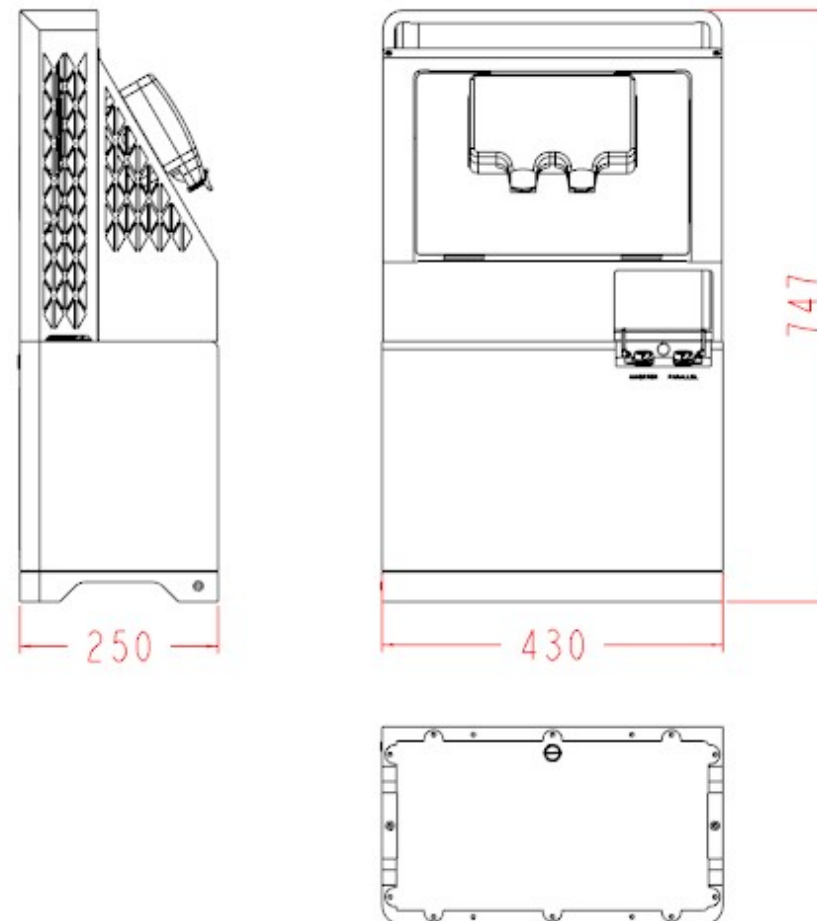
TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 APsystems ALTERNATE POWER
Unspecified tolerances: >0-100 ±5 >100-500 ±10 >500-900 ±15 >900-1300 ±25 >1300-1800 ±30 >1800-2500 ±35		>2500-3500 ±45 >3500-4500 ±50 >4500-6500 ±65 >6500-8500 ±80 >8000-10000 ±100		
DWN.	UNIT mm			
CHK.	SHEET OF REV.	NAME EZ-BAT Cable		
DRAWING NO.				

EZ Hybrid System Series Accessories

1. Wiring Diagram



2. EZ Hybrid System Dimensions



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3. Accessories Summary

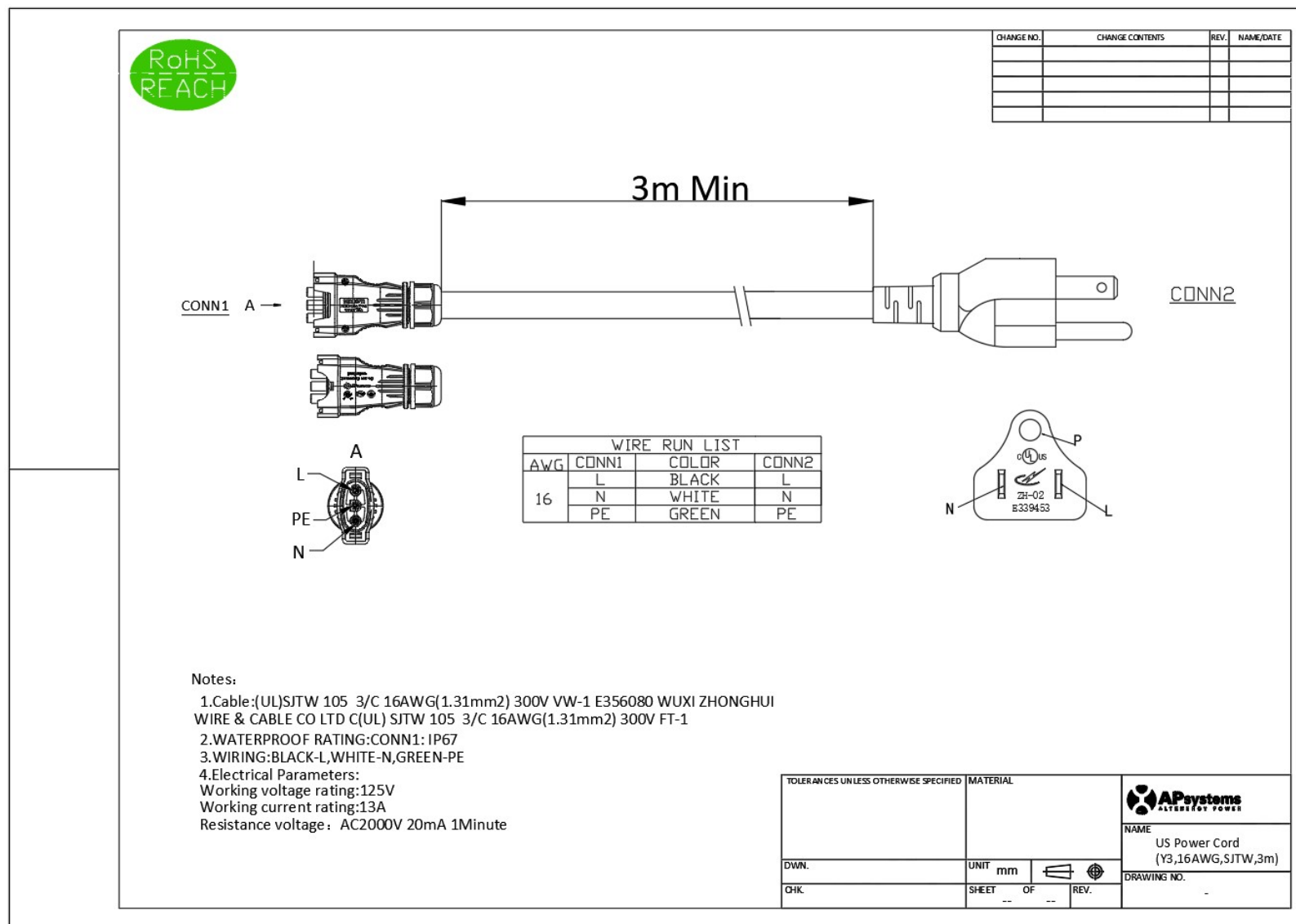
Region	Accessories		
	Power Cord (Optional)	AC Connector(Female) (Optional)	DC Extension Cable (Optional)
APAC -APAC (627001)	2337056532_ US Power Cord(Y3,16AWG,SJTW,3m) (See Pic. A)	2301432505_ACB3 Connector(3core,female,25A) (See Pic. F)	2310360214_2m DC Extension Cable (MC4) (See Pic. G)
	2337106532_ UKPowerCord(Y3,2.5mm ² ,H07,3m) (See Pic. B)		
	2337026532_ EU Power Cord(Y3,2.5mm ² ,H07,3m) (See Pic. C)		
	2337126532_ EU Power Cord 2(Y3,2.5mm ² ,H07,3m) (See Pic. D)		
	2337146532_ UK Power Cord2(Y3,2.5mm ² ,H07,3m) (See Pic. E)		

4. Physical Picture

US Power Cord (Y3,16AWG,SJTW,3m)	UK Power Cord2 (Y3,2.5mm ² ,H07,3m)	EU Power Cord (Y3,2.5mm ² ,H07,3m)	EU Power Cord2 (Y3,2.5mm ² ,H07,3m)	UK Power Cord2 (Y3,2.5mm ² ,H07,3m)
				
Pic. A	Pic. B	Pic. C	Pic. D	Pic. E
AC Connector(Female)	DC Extension Cable			
				
Pic. F	Pic. G			

5. Accessories information

2337056532_US Power Cord(Y3,16AWG,SJTW,3m)

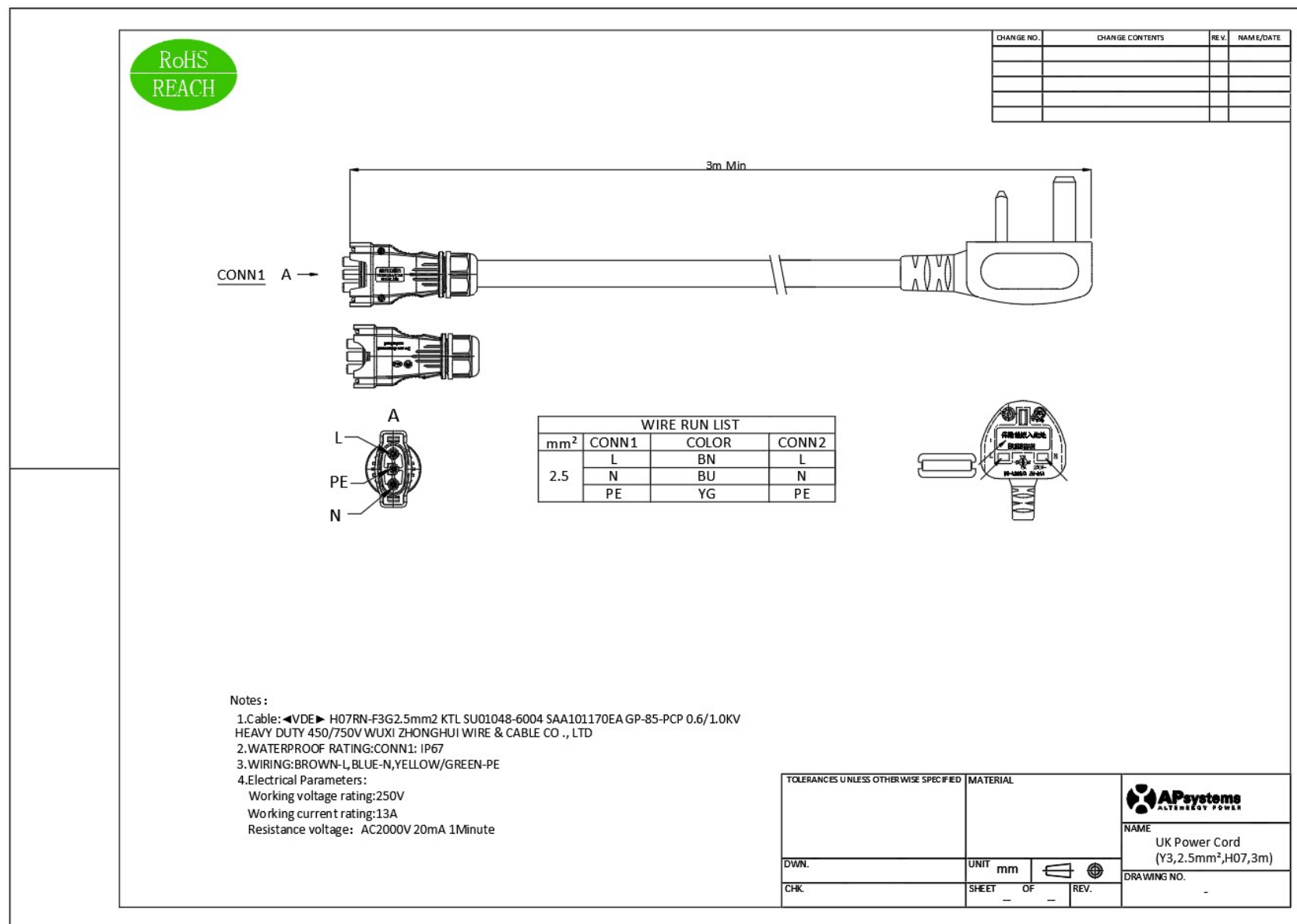


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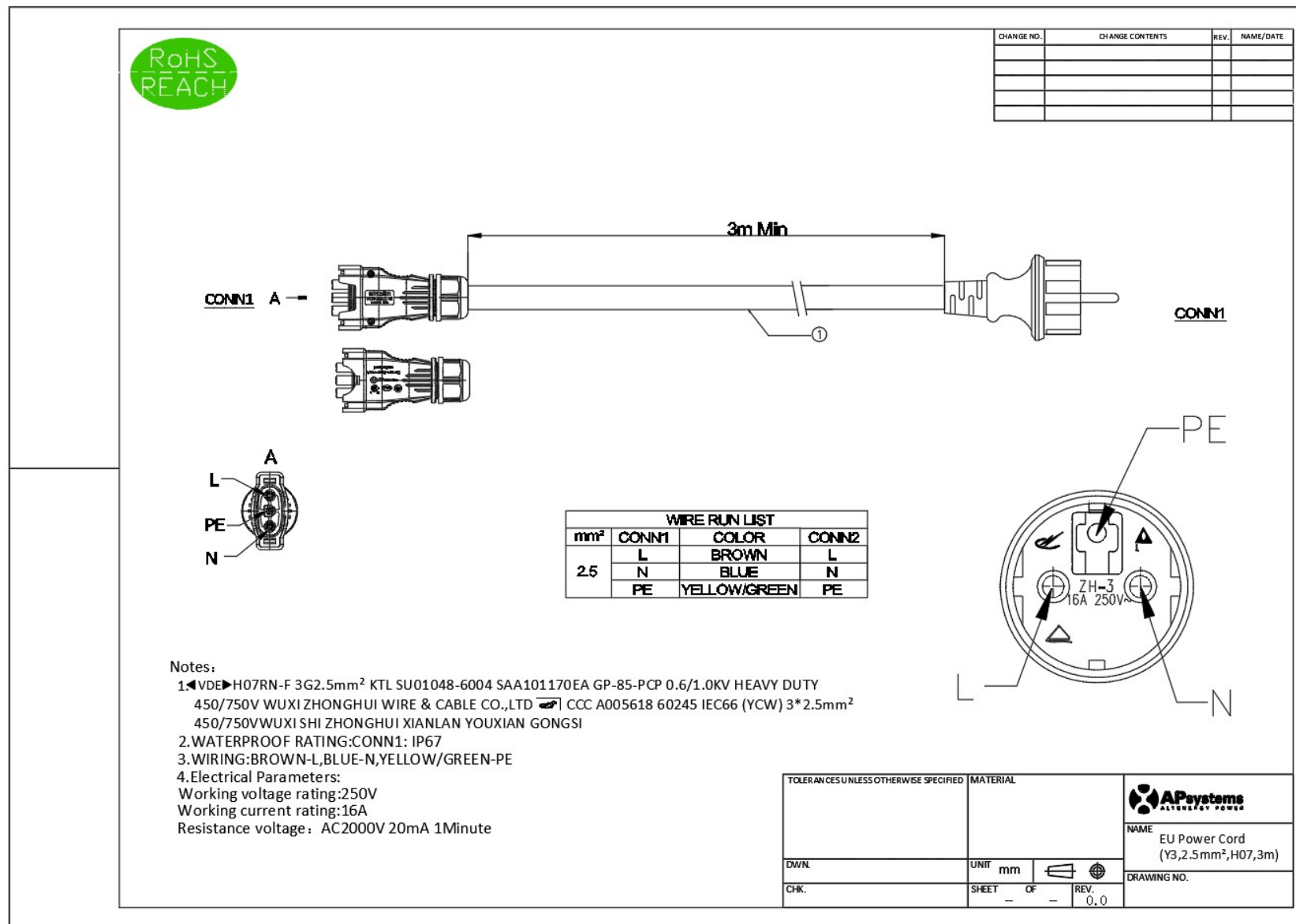
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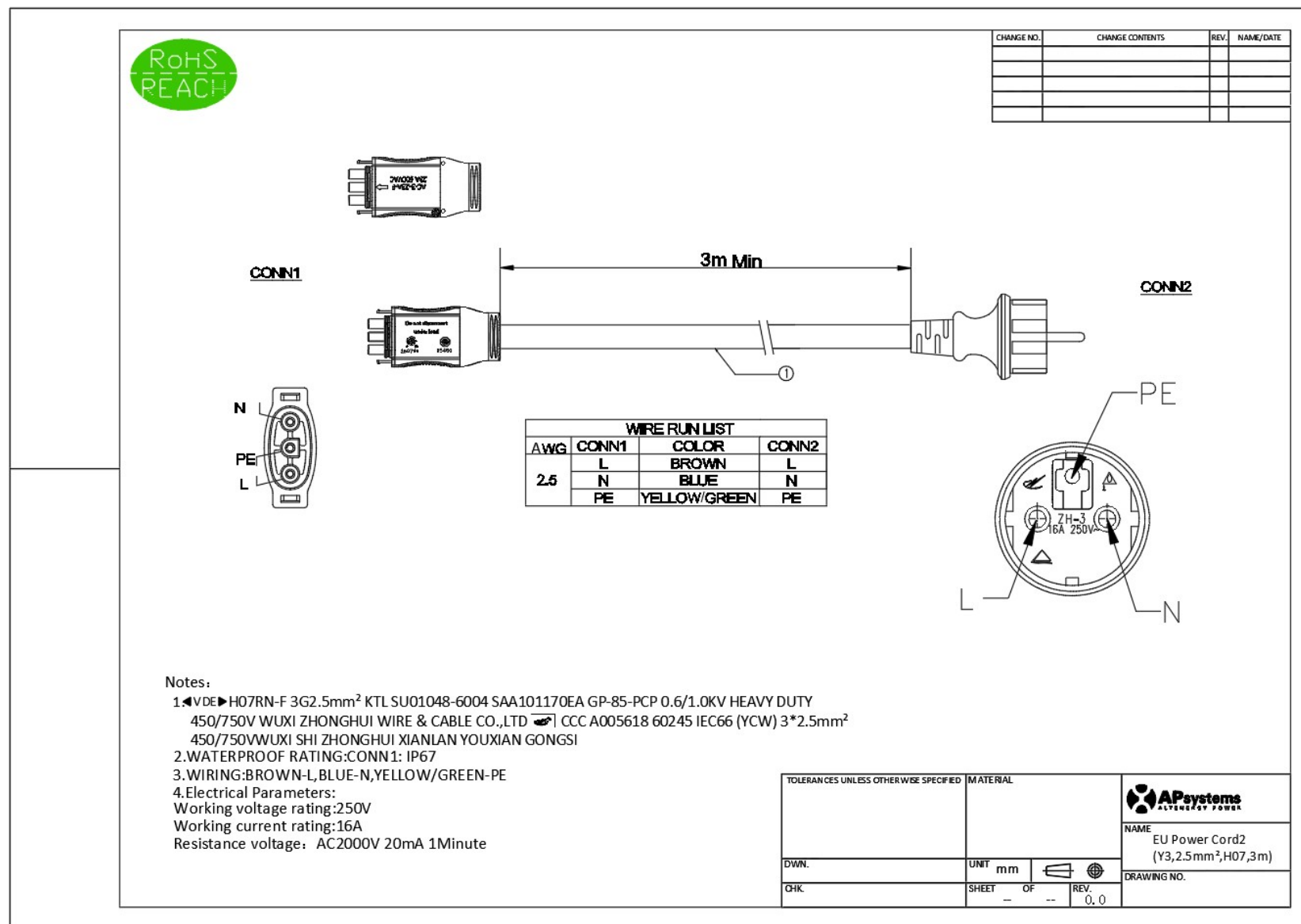
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2337106532_UK Power Cord(Y3,2.5mm²,H07,3m)


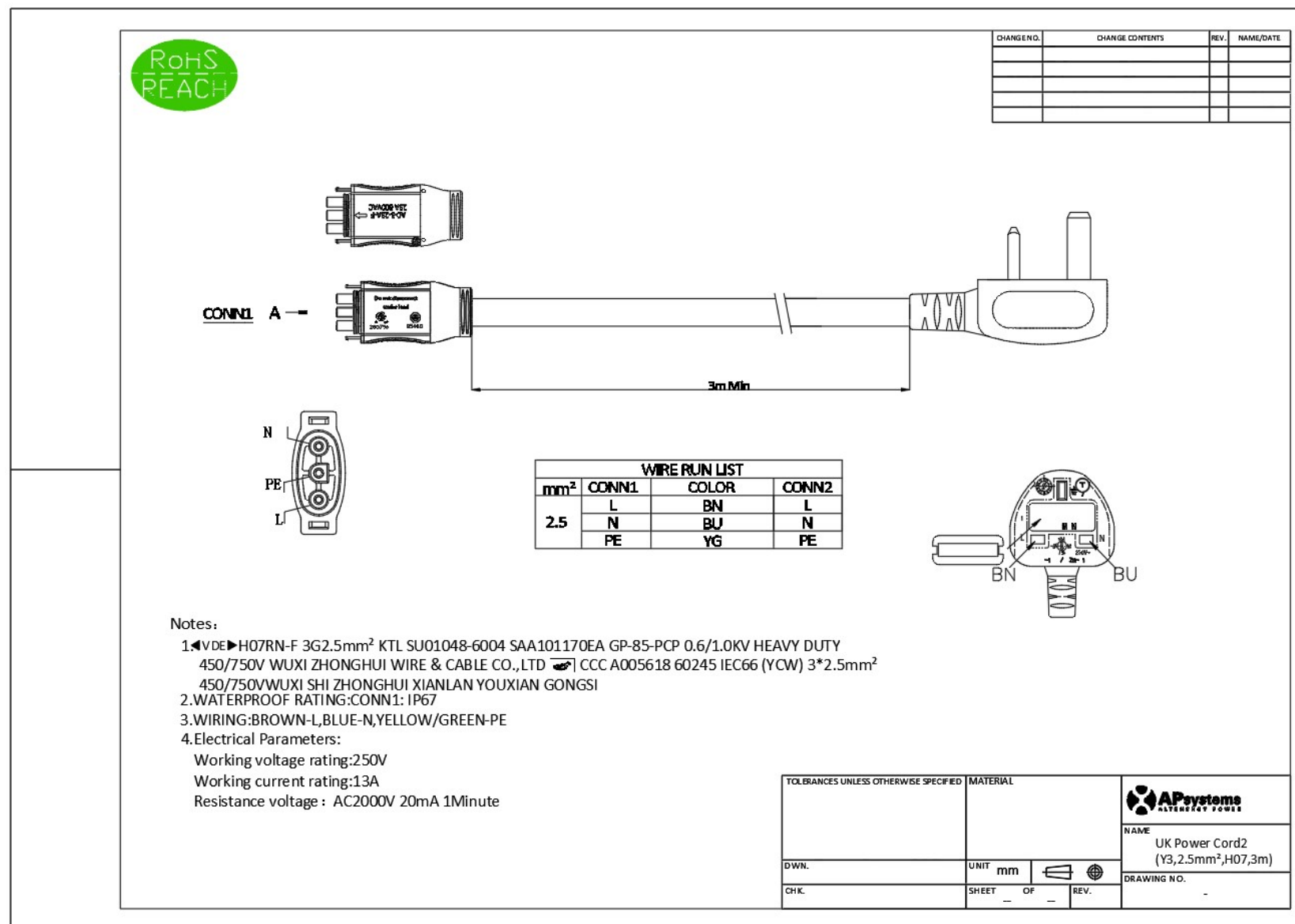
2337026532_EU Power Cord(Y3,2.5mm²,H07,3m)



2337126532_ EU Power Cord 2(Y3,2.5mm²,H07,3m)



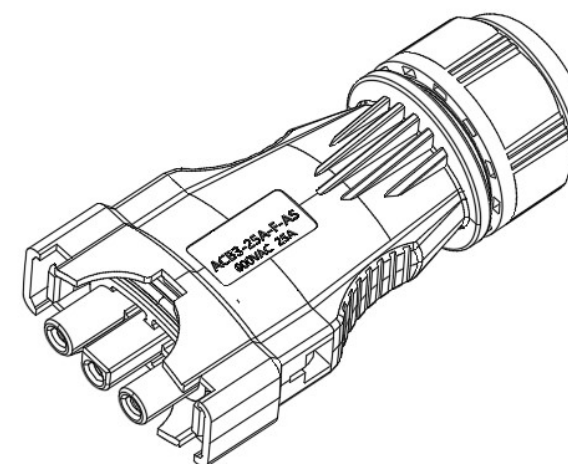
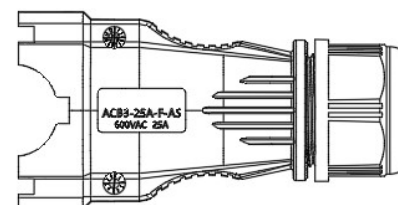
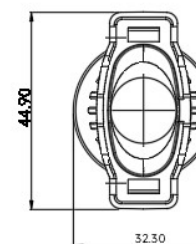
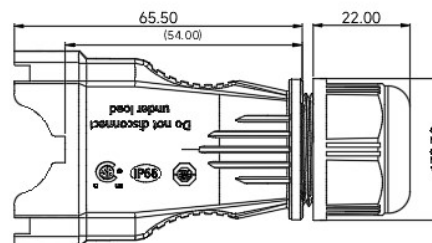
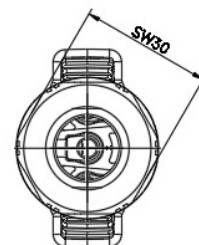
2337146532_UK Power Cord2(Y3,2.5mm²,H07,3m



2301432505_ ACB3 Connector(3core,female,25A)

RoHS
REACH

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



- Technical parameter:
- 1.Rated voltage: 600VAC
 - 2.Max. current:
 - TUV:25A(2.5mm²)
 - CSA/UL:23A(14AWG)
 - 3.Contact resistance: ≤3mΩ
 - 4.Insulation resistance: ≥500MΩ
 - 5.Ambient Temperature: -40°C~65°C
 - 6.IP code: IP68 (1m,2H)
 - 7.Mechanical life: ≥100次
 - 8.Salt spray test: 24H Neutral salt spra
 - 9.Flame retardant code: UL94-V0
 - 10.UV resistance: f1
 - 11.Adapt cable OD: OD=7~11.5mm
 - 12.M4 Torque: 1.0N.m
 - 13.M26 Torque: 3.5~3.7N.m(Reference)
 - 14.Standard: UL6703 & PPP 59015A
 - 15.Part Number: ACB3-25A-F-AS

TOLERANCES UNLESS OTHERWISE SPECIFIED		MATERIAL		 NAME ACB3 Connector (3core, female, 25A)
DWN.	UNIT mm			
CHK.	SHEET	OF	REV.	DRAWING NO.

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2310360214_2m DC Extension Cable (MC4)

