



APsystems EMEA(EZ1) Accessories

Rev 1.2

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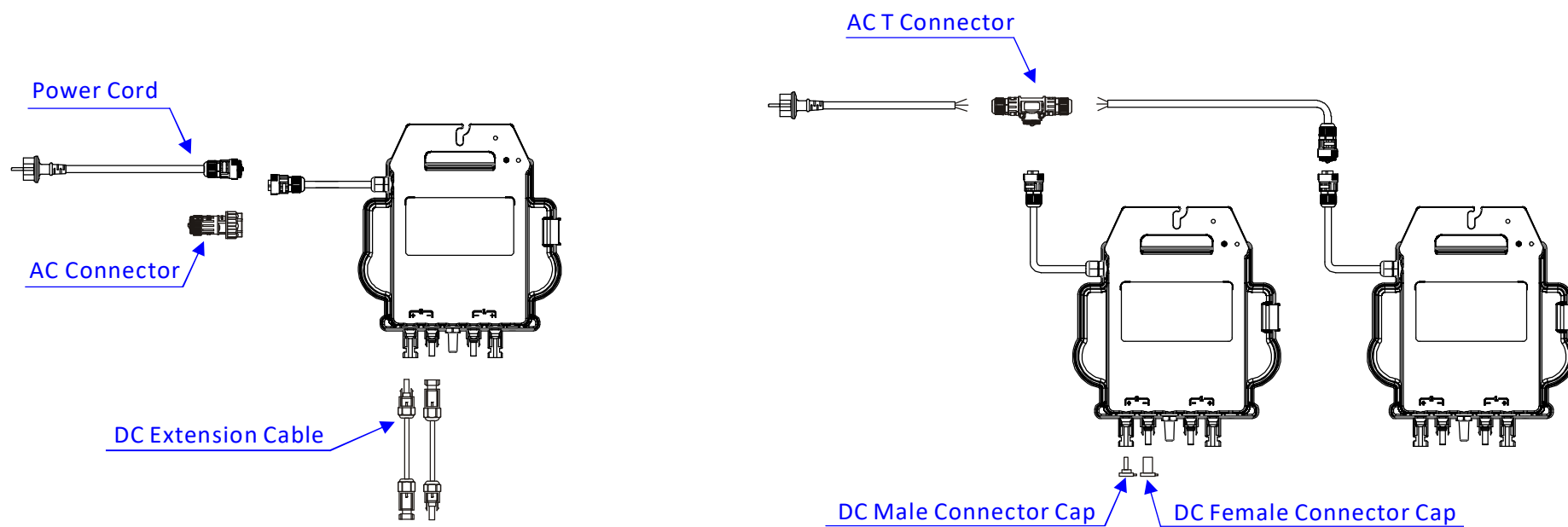
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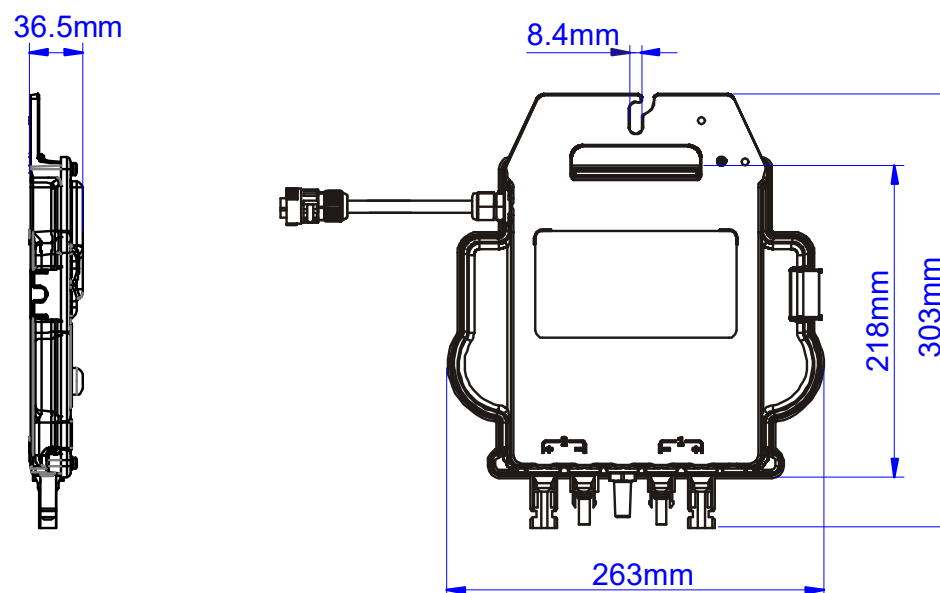
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EZ1 Series Accessories

1. Wiring Diagram



2. EZ1 Dimensions



3. Accessories Summary

Region	Accessories					
	Power Cord (Optional)	AC Connector (Female) (Optional)	AC T Connector (Optional)	DC Male Connector Cap (Optional)	DC Female Connector Cap (Optional)	DC Extension Cable (Optional)
Europe -S-EU (133018) -M-EU (132018)	2337011133_EU Power Cord(1.5mm ² ,5m) (See Pic. A)	2301132012_AC Extended Connector(3C,17.5A,Female) (See Pic. B)	2301232002_AC T Connector(3C,17.5A) (See Pic. C)	2060401006_DC Male Connector Cap (MC4) (See Pic. D)	2060402006_DC Female Connector Cap (MC4) (See Pic. E)	2310360214_2m DC Extension Cable (MC4) (See Pic. F)

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.

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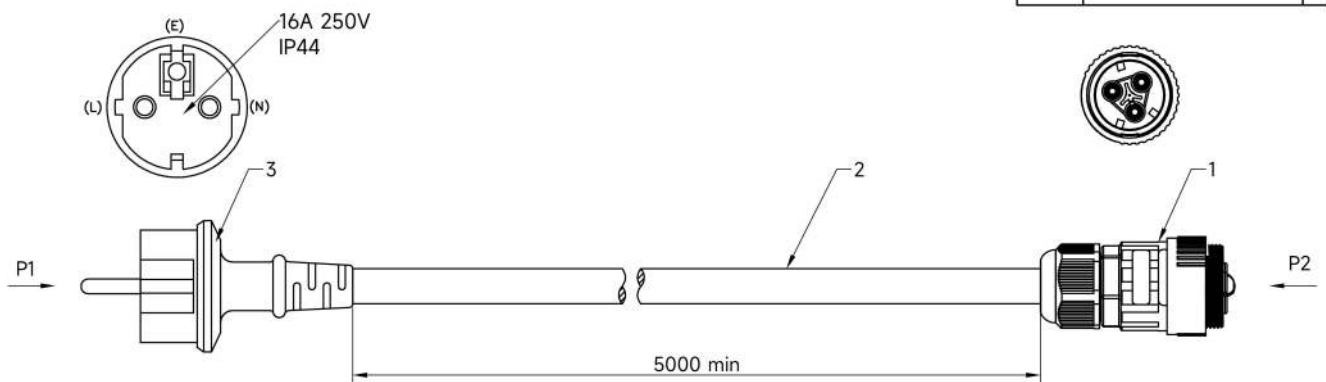
4. Physical Picture

Power Cord	AC Connector	AC T Connector	DC Male Connector Cap	DC Female Connector Cap	DC Extension Cable
					
Pic. A	Pic. B	Pic. C	Pic. D	Pic. E	Pic. F

5. Accessories information

2337011133_EU Power Cord(1.5mm²,5m)





CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE

Packing



WIRE RUN LIST		
WIRE	P1	P2
BROWN	L	L
BLUE	N	N
YELLOW/GREEN	PE	PE

3	Plug		1	Schuko Plug	
2	AC Cable		1	3G1.5mm ² , Brown-Blue-Yellow/Green	
1	AC Connector (Female)	EP030-2224-00	1	17.5A, IP68	

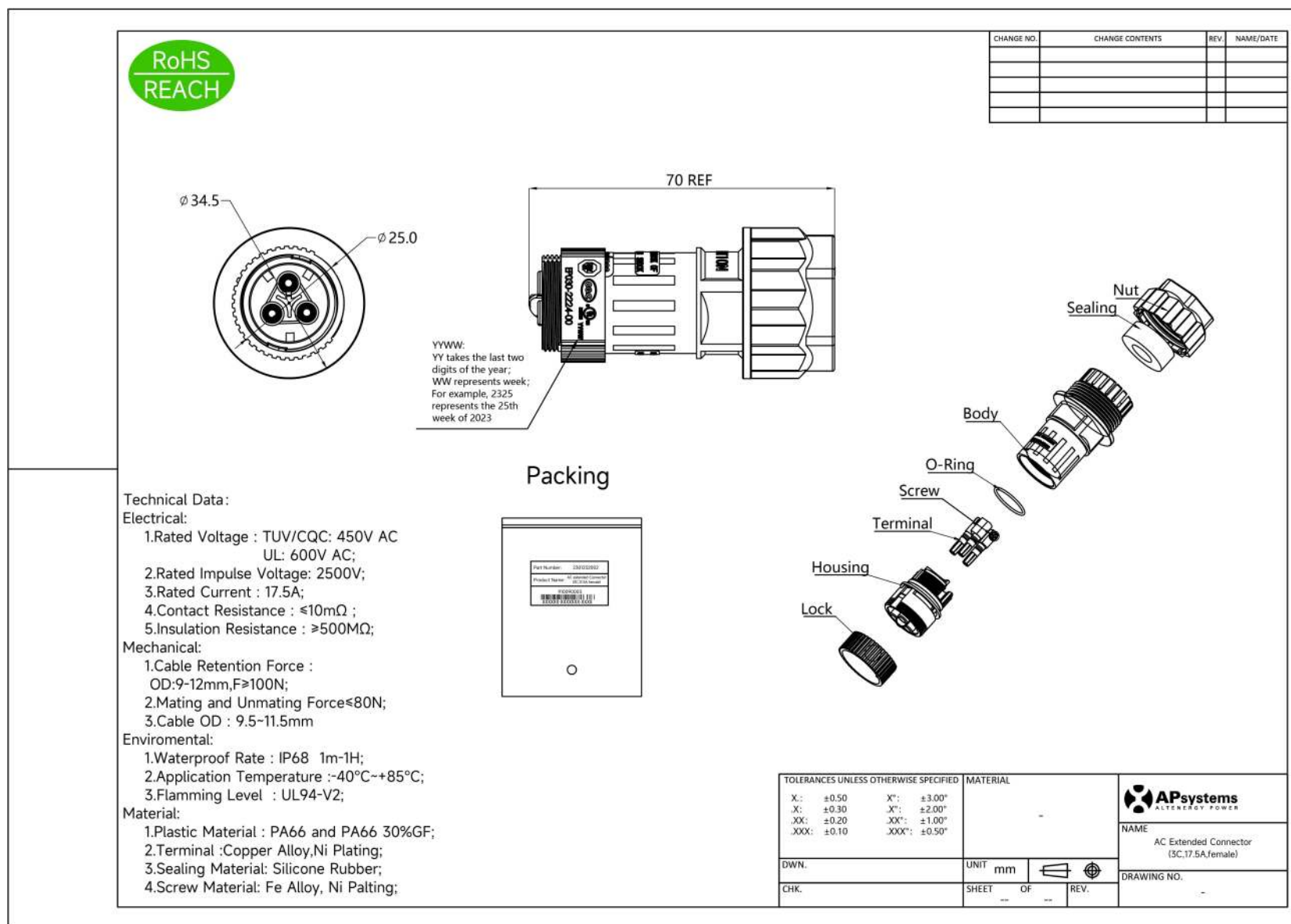
NO.	NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED						
MATERIAL						
电线组件来注性能公差: >0-100 ±5 >100-500 ±10 >500-900 ±15 >900-1300 ±25 >1300-1800 ±30 >1800-2500 ±35 >2500-3500 ±45 >3500-4500 ±50 >4500-5500 ±65 >5500-6500 ±80 >6500-8000 ±90 >8000-10000 ±100						
DWN.		UNIT mm				
CHK.		SHEET -- OF --		REV.		

Notes:

- Cable: 3G1.5mm², UV resistance;
- The cable and connector connect firmly, has no looseness, scratches, crack and other defects;
- Use blank cartons for packaging.

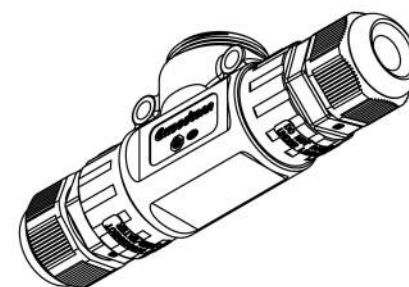
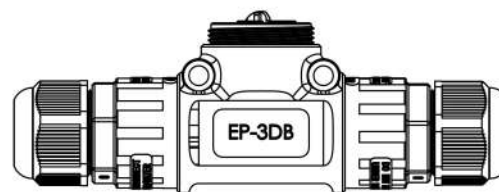
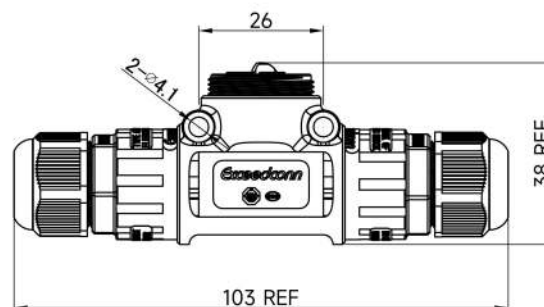
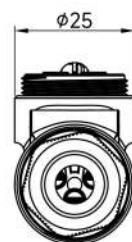
	
NAME EU Power Cord(1.5mm ² , 5m)	
DRAWING NO.	

2301132012_AC Extended Connector(3C,17.5A,Female)





CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Packing

Wrench



Notes:

Electrical

1. Rated Voltage: 250V;
2. Rated Current: 17.5A;
3. Contact Resistance: $\leq 10\text{m}\Omega$;
4. Insulation Resistance: $\geq 500\text{M}\Omega$;

Mechanical:

1. Mating Cycle: ≥ 500 ;
2. Cable Retention Force: $\geq 100\text{N}$;
3. Sealing Size: $\phi 11.5\text{mm}$;
4. Cable O.D: 9.5~11.5mm;
5. Wire Size: 1.5mm^2 ;

Environmental:

1. Waterproof Rate: IP68;
2. Application Temperature: $-40^{\circ}\text{C}\sim +85^{\circ}\text{C}$;
3. Flaming Level: UL94-V0;

Others:

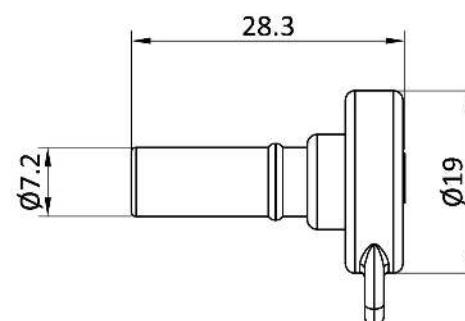
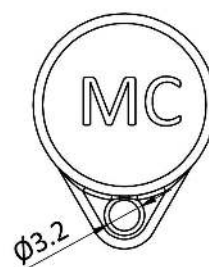
1. Type No.: EP-3DB;
2. Packaging: Blank Cartons

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL		 APsystems ALTERNERGY POWER
X:	±1.00	X*:	±3.00"			
X:	±0.50	X*:	±2.00"			
XX:	±0.20	XX*:	±1.00"			
XXX:	±0.10	XXX*:	±0.50"	UNIT mm		NAME AC T Connector(3C,17.5A)
DWN.				SHEET	OF	DRAWING NO.
CHK.				SHEET	OF	REV.

2060401006_DC Male Connector Cap (MC4)

RoHS

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Notes:

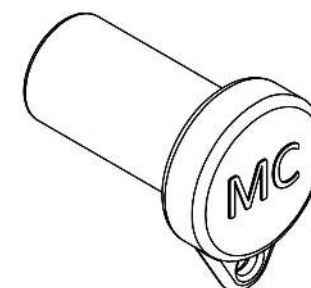
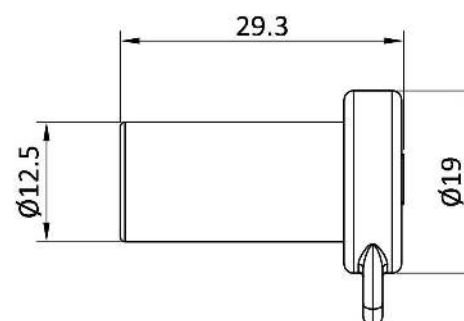
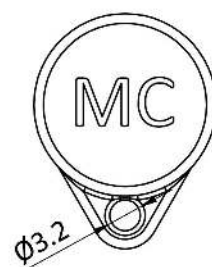
1. Type: PV-SVK4;
2. Degree of protection: IP67;
3. Use blank cartons for packaging

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

2060402006_DC Female Connector Cap (MC4)

RoHS

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE



Notes:

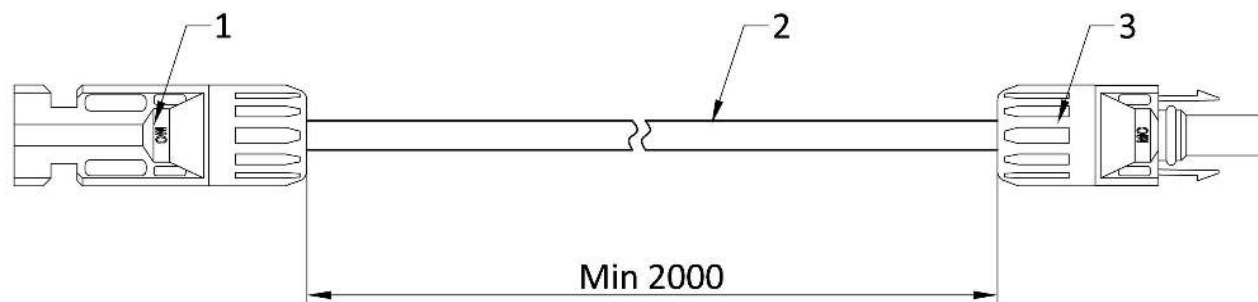
1. Type: PV-BVK4;
2. Degree of protection: IP67;
3. Use blank cartons for packaging

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

2310360214_2m DC Extension Cable (MC4)

RoHS

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
②	Add alternative cable	0.2	YF1 2022-9-14
③	Add alternative cable	0.3	YF1 2022-11-24



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. Use Blank Cartons For Packaging.

② ③

3	DC Connector (female)	MC4 PV-KBT4/6II		1	Female, STAUBLI	
2	DC Cable	FLEX-SOL-EVO-DX 4.0		1	4.0mm²/12AWG, TUV/UL certification	
		62930 IEC 131/PV				
		H1Z2Z2-K/PV wire				
1	DC Connector (male)	MC4 PV-KST4/6II		1	Male, STAUBLI	
NO.	NAME	TYPE	MAT.	QTY.	DESCRIPTION	REMARK
TOLERANCES UNLESS OTHERWISE SPECIFIED			MATERIAL		APsystems ALTERNATIVE POWER NAME 2m 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. 0.3

Revision history		
Version	Change contents	Date
REV1.0	First edition	2023-04-17
REV1.1	Update the name of power cord	2023-06-16
REV1.2	Update AC connector	2023-06-29
Compile: ZiHan		Date: 2023-06-29
Audit: Tianxing		Date: 2023-06-29