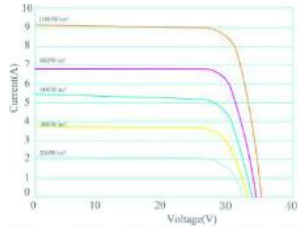


CYH-AAAP-60 (AAA=250W-280W)

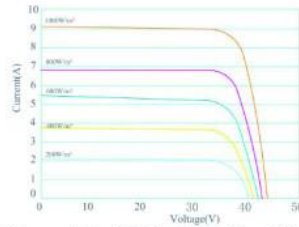
CYH-AAAP-72 (AAA=300W-330W)

I-V Curves



I-V Curves of PV module CYH 250W at different light power

I-V Curves



I-V Curves of PV module CYH 315W at different light power

Typical Electrical Characteristics

Solar cells	Poly-Crystalline 156.75X156.75mm 60pcs(6×10)-4 bus bars						
	250	255	260	265	270	275	280
Max-power	0 to +6W						
Power Tolerance	0 to +6W						
Voltage at Pmax(Vmp)	30.9	31.1	31.3	31.5	31.7	31.9	32.1
Current at Pmax(Imp)	8.09	8.20	8.31	8.41	8.52	8.62	8.73
Open-Circuit Voltage(Voc)	37.7	37.9	38.2	38.4	38.7	38.9	39.1
Short-Circuit Current(Isc)	8.76	8.87	8.99	9.10	9.22	9.33	9.45
Max-System Voltage(VDC)	1000V(IEC),600V(UL)						
Cell Efficiency	17.3	17.6	17.9	18.2	18.5	18.8	19.0
Module Efficiency	15.4	15.7	16.0	16.3	16.6	16.9	17.2
No. of Bypass Diodes(pcs.)	3						
Max.Series Fuse(A)	15A						
Temperature Coefficient of Pmax	-0.45%/°C						
Temperature Coefficient of Voc	-0.34%/°C						
Temperature Coefficient of Isc	0.05%/°C						
Nominal Operating Cell Temperature	45±2°C						

Typical Electrical Characteristics

Solar cells	Poly-Crystalline 156.75X156.75mm 72pcs(6×12)-4 bus bars						
	300	305	310	315	320	325	330
Max-power	0 to +6W						
Power Tolerance	0 to +6W						
Voltage at Pmax(Vmp)	36.7	36.8	36.9	37.0	37.1	37.2	37.3
Current at Pmax(Imp)	8.17	8.29	8.40	8.51	8.63	8.74	8.84
Open-Circuit Voltage(Voc)	45.0	45.1	45.2	45.3	45.4	45.5	45.6
Short-Circuit Current(Isc)	8.79	8.97	9.09	9.21	9.33	9.46	9.55
Max-System Voltage(VDC)	1000V(IEC),600V(UL)						
Cell Efficiency	17.3	17.6	17.9	18.2	18.5	18.8	19.0
Module Efficiency	15.5	15.7	16.0	16.3	16.5	16.8	17.0
No. of Bypass Diodes(pcs.)	3						
Max.Series Fuse(A)	15A						
Temperature Coefficient of Pmax	-0.45%/°C						
Temperature Coefficient of Voc	-0.34%/°C						
Temperature Coefficient of Isc	0.05%/°C						
Nominal Operating Cell Temperature	45±2°C						

Mechanical Characteristics

Cable type,Diameter and Length	Φ=4mm ² ,L=900±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1640×992×45/42/35mm
Weight	18.3/18.0/17.7kg
No. of Draining Holes In Frame	16
Construction	Glass : High Transmission , Low Iron, Tempered Glass 3.2mm Encapsulation:EVA Back side:White
Junction Box	IP67 Rated
Frame	Clear anodized aluminum alloy type 6063T5 frame

Mechanical Characteristics

Cable type,Diameter and Length	Φ=4mm ² ,L=1000±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1956×992×50/45mm
Weight	22.5/21kg
No. of Draining Holes In Frame	16
Construction	Glass : High Transmission , Low Iron, Tempered Glass 3.2mm Encapsulation:EVA Back side:White
Junction Box	IP67 Rated
Frame	Clear anodized aluminum alloy type 6063T5 frame

Qualification Test Parameters

Dielectric Insulation Voltage	6000VDC max
Operating Temperature	-40°C~+85°C
Max load	5400Pa
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Fire rating	Class C

Packaging Configuration	1640×992×45mm
Packaging Configuration	22pcs/box and 2pcs/box
Loading Capacity	672pcs/40HQ 240pcs/20GP
Packaging Configuration	1640×992×35mm
Packaging Configuration	27pcs/box and 2pcs/box
Loading Capacity	812pcs/40HQ 282pcs/20GP

Qualification Test Parameters

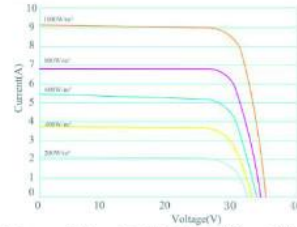
Dielectric Insulation Voltage	6000VDC max
Operating Temperature	-40°C~+85°C
Max load	5400Pa
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Fire rating	Class C

Packaging Configuration	1956×992×50mm
Packaging Configuration	20pcs/box and 2pcs/box
Loading Capacity	484pcs/40HQ 190pcs/20GP
Packaging Configuration	1956×992×45mm
Packaging Configuration	22pcs/box and 2pcs/box
Loading Capacity	528pcs/40HQ 240pcs/20GP

CYH-AAAM-60 (AAA=255W-285W)

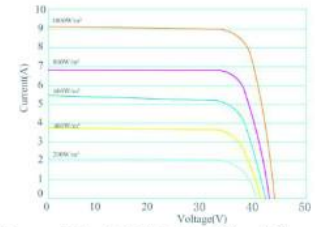
CYH-AAAM-72 (AAA=310W-335W)

I-V Curves



I-V Curves of PV module CYH260W at different light power

I-V Curves



I-V Curves of PV module CYH315W at different light power

Typical Electrical Characteristics

Solar cells	Mono-Crystalline 156.75X156.75mm 60pcs(6×10)-4 bus bars						
	255	260	265	270	275	280	285
Max-power	0 to +6w						
Power Tolerance	0 to +6w						
Voltage at Pmax(Vmp)	30.8	31.0	31.2	31.4	31.6	31.8	32.0
Current at Pmax(Imp)	8.28	8.39	8.49	8.60	8.70	8.81	8.91
Open-Circuit Voltage(Voc)	37.6	37.8	38.1	38.3	38.5	38.7	38.9
Short-Circuit Current(Isc)	8.96	9.05	9.19	9.31	9.42	9.53	9.64
Max-System Voltage(VDC)	1000V(IEC),600V(UL)						
Cell Efficiency	18.1	18.4	18.7	19.0	19.4	19.6	19.8
Module Efficiency	15.7	16.0	16.3	16.6	16.9	17.2	17.5
No. of Bypass Diodes(pcs.)	3						
Max.Series Fuse(A)	15A						
Temperature Coefficient of Pmax	-0.45%/°C						
Temperature Coefficient of Voc	-0.34%/°C						
Temperature Coefficient of Isc	0.05%/°C						
Nominal Operating Cell Temperature	45±2°C						

Typical Electrical Characteristics

Solar cells	Mono-Crystalline 156.75X156.75mm 72pcs(6×12)-4 bus bars						
	310	315	320	325	330	335	
Max-power	0 to +6w						
Power Tolerance	0 to +6w						
Voltage at Pmax(Vmp)	37.2	37.4	37.6	37.8	38.0	38.2	
Current at Pmax(Imp)	8.33	8.42	8.51	8.60	8.68	8.77	
Open-Circuit Voltage(Voc)	45.4	45.5	45.8	46.1	46.3	46.5	
Short-Circuit Current(Isc)	9.02	9.12	9.21	9.31	9.40	9.49	
Max-System Voltage(VDC)	1000V(IEC),600V(UL)						
Cell Efficiency	18.4	18.6	18.9	19.2	19.4	19.7	
Module Efficiency	15.9	16.2	16.5	16.7	17.0	17.3	
No. of Bypass Diodes(pcs.)	3						
Max.Series Fuse(A)	15A						
Temperature Coefficient of Pmax	-0.45%/°C						
Temperature Coefficient of Voc	-0.34%/°C						
Temperature Coefficient of Isc	0.05%/°C						
Nominal Operating Cell Temperature	45±2°C						

Mechanical Characteristics

Cable type,Diameter and Length	Φ=4mm ² ,L=900±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1640×992×45/42/35mm
Weight	18.3/18.0/17.7kg
No. of Draining Holes In Frame	16
Construction	Glass : High Transmission , Low Iron, Tempered Glass 3.2mm Encapsulation:EVA Back side:White
Junction Box	IP67 Rated
Frame	Clear anodized aluminum alloy type 6063T5 frame

Mechanical Characteristics

Cable type,Diameter and Length	Φ=4mm ² ,L=1000±5mm
Type of Connector	Compatible type MC4
Dimension A×B×C	1956×992×50/45mm
Weight	22.5/21kg
No. of Draining Holes In Frame	16
Construction	Glass : High Transmission , Low Iron, Tempered Glass 3.2mm Encapsulation:EVA Back side:White
Junction Box	IP67 Rated
Frame	Clear anodized aluminum alloy type 6063T5 frame

Qualification Test Parameters

Dielectric Insulation Voltage	6000VDC max
Operating Temperature	-40°C~+85°C
Max load	5400Pa
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Fire rating	Class C

Packaging Configuration	1640×992×45mm
Packaging Configuration	22pcs/box and 2pcs/box
Loading Capacity	672pcs/40HQ 240pcs/20GP
Packaging Configuration	1640×992×35mm
Packaging Configuration	27pcs/box and 2pcs/box
Loading Capacity	812pcs/40HQ 282pcs/20GP

Qualification Test Parameters

Dielectric Insulation Voltage	6000VDC max
Operating Temperature	-40°C~+85°C
Max load	5400Pa
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Fire rating	Class C

Packaging Configuration	1956×992×50mm
Packaging Configuration	20pcs/box and 2pcs/box
Loading Capacity	484pcs/40HQ 190pcs/20GP
Packaging Configuration	1956×992×45mm
Packaging Configuration	22pcs/box and 2pcs/box
Loading Capacity	528pcs/40HQ 240pcs/20GP