SHENZHEN YUHUI ENERGY TECHNOLOGY CO.,LTD
HONGKONG YH ENERGY TECHNOLOGY CO.,LIMITED

CORE TECHNOLOGY

Normal Technology

- Average mono crystalline solar cell efficiency is up to 19.8%;Average poly crystalline solar cell efficiency is up to 18.4%

Advanced Technology

- YUHUI use the High-Sheet Resistance&Densely-Fingers and Double Printing Technology,to upgrade the current technology to make average mono crystalline cell efficiency up to 20%,average poly crystalline cell efficiency up to 18.6%.The forthcomig technology of Black Silicon and PERC will continue to improve the solar cell efficiency.

Production and Quality Control

- YUHUI fully integrated pv chain from silicon materials, ingot, wafer, solar cell to solar module,and well-established QC management system, to guarantee consistency of high quality;
- Mature technical control and strict sorting standard to ensure consistency and reliability of solar cell;
- Completely careful operation during production to avoid micro-cracks and reduce breakage rates during module assembly;

Electrical Properties

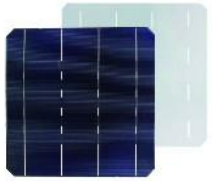
- Mature crystalline cells manufacturing technology and complete quality control system, to ensure excellent electrical stability;
- Lower module encapsulation loss realized by reasonable electrical characteristics setting,including high voltage and
- low current,high parallel resistance and low series resistance, classification with precise current classes and positive power tolerance;
  Excellent conversion efficiency, weak light performance and shortwave response guaranteed by leading R&D innovation system;

Recommend Welding Technique

- Welding:tin-coated copper ribbons,coated with (20-25μm) thickness (60%Sn, 40%Pb)

Mechanical Data and Design

Product	Poly-crystalline silicon solar cell
Format	156.75mm±0.5mm
Average Thickness	200μm±20μm
Front(-)	1.0mm bus bar(silver) Blue anti-reflecting coating(silicon nitride)
Back(+)	2.2mm width,soldering pads(silver) back surface field (aluminum)



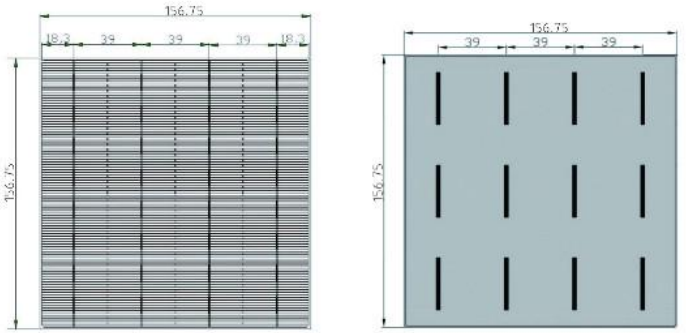
CYH-CM156.75-4BB Series
156.75*156.75mm Mono-crystalline Cells

CYH-CP156.75-4BB Series
156.75×156.75mm Poly-crystalline Cells

www.szyhsolar.com

CYH-CP156.75-4BB Series
156.75X156.75mm Poly-crystalline

Poly-crystalline Cells Screen Pattern



Electrical Data

Class	Efficiency (%)	Nominal Power Wp(W)	Current at Pmax Impp(A)	Voltage at Pmax Vmpp(mV)	Short Circuit Current Isc(A)	Open Circuit Voltage Voc(mV)
CYH-CP156-E09	18.60>	4.57W	8.41	537	8.94	636
CYH-CP156-E08	18.40	4.52W	8.36	535	8.89	634
CYH-CP156-E07	18.30	4.49W	8.30	533	8.83	633
CYH-CP156-E06	18.20	4.47W	8.28	532	8.80	631
CYH-CP156-E05	18.10	4.44W	8.25	530	8.77	630
CYH-CP156-E04	18.00	4.42W	8.21	529	8.73	629
CYH-CP156-E03	17.80	4.37W	8.18	527	8.71	628
CYH-CP156-E02	17.60	4.32W	8.11	523	8.65	628
CYH-CP156-E01	17.40	4.27W	8.02	522	8.59	627

All Data at standard test condition:STC=1000W/㎡,AM1.5,25℃

Electrical Curves