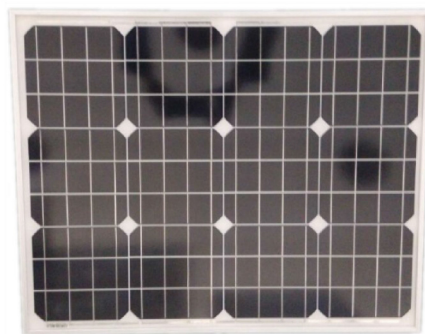




YL50C-18b

YL55C-18b



Warranty

5-year repair and workmanship warranty

12-year warranty at 90% power output

25-year warranty at 80% power output

Typical Electrical Characteristics

Models	YL50C-18b	YL55C-18b
Power Tolerance (%)	±3	±3
Max. Power (Pmax) (W)	50	55
Optimum Operating Voltage (Vmp/V)	18.18	18.79
Optimum Operating Current (Imp/A)	2.75	2.92
Open-circuit Voltage (Voc/V)	22.64	23.07
Short-circuit Current (Isc/A)	2.94	3.05
Cells efficiency (%)	18.0	19.4

Note: the specifications are obtained under the Standard Test Condition (STC): 1,000W/m², Am 1.5, Cell Temperature 25°C

Mechanical Characteristics

Solar cell (mm)	Mono 156×52
No.of Cell and Connections	36 (4×9)
Dimension (L×W×H) (mm)	530×664×25
Weight (kg)	4.0 (approx)
Junction Box	IP65
Connector	N/A
Packaging Configuration	6pcs/cnt
Load Capacity	3000/ 40'GP

Working Conditions

Maximum System Voltage	DC 1000V (IEC)
Temperature cycling range	-40°C ~ +85°C
NOTC	47°C
Maximum Series Fuse	10 A
Application Class	Class A
Temperature coefficients of Isc	(+0.06%/°C)
Temperature coefficients of Voc	(-0.35%/°C)
Temperature coefficients of Pmax	(-0.4%/°C)

