Burhani

SOLAR PANELS

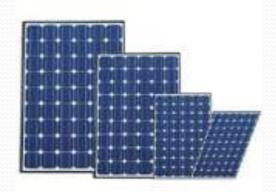
BHF 140W

Solar Panels Features And Benefits Manufactured from high quality multicrystalline silicon wafers Uniform surface morphology through isotropic texturization Emitter deposition in a metal-free roller furnace Uniform blue anti-reflection coating to enhance wide spectral response Metallization through highly automated printing line with world-class vision system ensuring best print quality through auto-paste dispenser Edge isolation by laser ablation technique 100% sorting for both visual and electrical parameters using class A sorter

Manufacturing Excellence

Proprietary wafer inspection system to carry out 100% incoming wafer inspection to ensure highest wafer to cell yield Inline integrated quality control and monitoring Highly safe operating conditions through automated Chemical Dosing System (CDS)

Automated cell sorting into 32 separate bins based on IEC 609041 guidelines



Quality Standards

100% inspection for reverse current, shunt resistance and series resistance 100% inspection for visual and optical defects such as cracks or holes, finger interruption, rear bus bar interruption, missing Aluminium print per cell, and surface contamination Cells calibrated to reference cells from Fraunhofer ISE cell lab, Germany, traceable to NIST standard Bar-coded packaging to facilitate complete "wafer to cell" electronic data trai

TECHNICAL PARAMETERS	: BURHANI PV MODULE	1
ELECTRICAL PARAMETERS	: SS-140	
Nominal Power (Pm) in Watts	: 140	
Open Circuit Voltage (Voc) in Volts	: 21.0	
Short Circuit Current (Isc) in Amps	: 8.89	
Voltage at Maximum Power (Vmp) in Volts	: 17.0	
Current at Maximum Power (Imp) In Amps	: 8.24	
Maximum System Voltage	: 1000V/600V	
PHYSICAL PARAMETERS	. 1000 ¥/800 ¥	
	. 26	
Solar Cells per Module (Units)	: 36	
Length X Width X Thickness (LXWXT) in mm	: 1490X675X35	
In Inches	: 58.7X26.6X1.4	
Weight in Kg	: 11.75	
Mounting Holes Pitch(Y) in mm	: 915.00	
In Inches	: 36	
Mounting Holes Pitch(X) in mm	: 627	
In Inches	: 24.7	
Area in Sq. Meter	: 1.009	
In Sq. Feet	: 10.86	
Junction Box	: IP 65 with Diodes	
OTHER CHARACTERISTICS		
		: Mono / Multi crystalline
Type of cell		Silicone
Front Face	: Tempered Glass (Low Iron)	
Encapsulate	: EVA (Ethylene Vinyl Acetate)	
Frame	: Anodized Aluminium	
Junction Box	: Weather Proof Nylon 6	
Temp. Coefficient	: Voltage:	-0.123 V/°K
	Current:	+4.4mA / °K
	Power:	-0.47%/°K
NOCT	: 47 +/- 2 °C	

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