



EASY | SOLAR[®]

the
Solar
people



उज्जवल
भारत का
सोलर



POWER AND PERFORMANCE

ABOUT US



Mr. LOKESH VATS

Managing Director and CEO,
Easy Solar Solutions Pvt. Ltd

Easy Solar Solutions was founded in 2001 by a young professional named Lokesh Vats, who has emerged as a top name in the solar sector with over 21 years of expertise. At a young age, his perseverance and drive molded him into a successful businessman. Easy Solar Solutions Pvt. Ltd is a well-known company that provides a wide range of solar panels, solar inverters, batteries, DC cables, and other power backup goods. Our priority in India is to promote and implement renewable energy.



TOLL FREE : 1800 313 333333

www.easysolarsolution.com

OUR VISION



- ❖ 100% customer satisfaction
- ❖ Honesty and Integrity in everything we do.
- ❖ Contribute through Green Energy Products

OUR MISSION

- Create A Portfolio Of Renewable Energy Assets Of The Highest Caliber To Dominate The Planet.
- Lead The Energy Transformation Offering Our Clients Cutting-edge Solutions.
- Create An Environment Of Excellence By Completing All Of Our tasks In A Safe And Effective Manner.
- Always Act Responsibly And Uphold The Highest Standards Of Quality And Sustainability.
- In Order To Fulfill Our Business Goals And Become A Top Employer, We Must Cultate A Culture Of Trust, Cooperation, And performance.

OUR JOURNEY

2024

New order in j&k 2.5kva Solar Power Plant on all khidmat centres .
In UT J&k through j&k bank, Approx Qty 2600 Nos in two Year time.

2023

A new milestone achieved, we installed Street lights in Holy Places
like Badrinath, Amarnath, etc. We have successfully established 50+ Easy Solar franchisees across India.

2022

Feb 2022 got tender for Solar Rooftop
System From JAKEDA 1 M.W

2021

December 2021 Won Street Light Tender For all over J&K from JAKEDA

2020

Start Manufacturing of Solar PV Modules,
Batteries and PCU/ inverter etc.

2018

Installed 10k Street Light System in Haryana (Start manufacturing of All Range Lithium Battery)

2017

Installed 5MW Solar Rooftop System in Kashmir
(start Manufacturing of All Range BLDC Fan)

2015

All India Got No. 1 "Nabard" In Kashmir

2013

Start New Branch Office in Kashmir

2011

Start Easy Solar Solutions Pvt. Ltd. (Solar EPC | Power Plant | Govt. Tenders)

2009

(Start Manufacturing of Solar
Street Light With Easy Solar Industries)

2007

(Start Manufacturing of Inverter with NRV Power Technology)

2003

(Start Manufacturing of Solar Laltarn)

2001

Founded in Delhi (Start Manufacturing of Electronics)

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**EXCELLENCE
PERFORMANCE**



Strong R&D Team



Four Manufacturing Unit



22+ Year Old Brand



500+ Associate Employees

SOLAR PCU OFF GRID



Yugama Intel 3050



Yugama Intel 3650

**Specially Designed Solar Inverter for
Water Pump (1Hp) and AC (1Ton)**

- Battery health saver to increase battery life & give 10 to 15% more backup.
- Load sharing and charging sharing to save more electricity.
- Save money and clean environment usage by Solar PCU.
- Run your 1 Ton AC up to 5 star easily on Yugama Intel 3650 model.
- In-Built heavy duty (50. 70A) solar charge controller.
- Battery deep discharge and over charge protection.
- DSP based controlled system for best performance.
- Prioritize solar for maximum usage of solar power.
- Alphanumeric 16x2 LCD, display to read easily.
- Battery boost charger inbuilt in the system.
- Save maximum electricity in solar mode.

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Yugama Intel (Solar Home PCU)

Model Name		Yugama Intel 3050		Yugama Intel 3650	
Operating DC Voltage		24 V			
Parameters (Grid)					
Mains AC Low Cut	UPS Mode	175 VAC ± 10 VAC			
Mains AC Low Cut Recovery		185 VAC ± 10 VAC			
Mains AC High Cut		265 VAC ± 10 VAC			
Mains AC high Cut Recovery		255 VAC ± 10 VAC			
Mains AC Low Cut	WUPS Mode	90 VAC ± 10 VAC			
Mains AC Low Cut Recovery		110 VAC ± 10 VAC			
Mains AC High Cut		295 VAC ± 10 VAC			
Mains AC high Cut Recovery		285 VAC ± 10 VAC			
Input Frequency Range		40 Hz - 60 Hz			
Voltage Output In Mains Mode		Same As Input			
Frequency Output in Mains Mode		Same As Input			
Battery					
Battery Type		LA / Tubular / SMF			
Float Charging Voltage		27.4 V ± 0.4 V			
Boost Charging Voltage	Tubular & SMF LA Type	28.0 V ± 0.4 V 29.0 V ± 0.4 V			
Battery High Cut		31.0 V ± 0.4 V			
Charging Current 100 - 135 Ah Setting	Input Range 135-295 VAC	12 A ± 1 A			
Charging Current 150 - 220 Ah Setting		15 A ± 1 A			
Charging Current (Input Range 90 - 135 VAC)		5 A - 12 A			
Backup Mode					
Output Voltage		220 VAC + 5% - 10 % (Until Battery Low Alarm)			
Output Frequency		50 Hz ± 0.2 Hz			
Output Waveform		Pure Sine Wave			
No Load Current		≤ 4% of Rated Capacity			
Discharging Current @ Full Load		72 A ± 2 A		92 A ± 2 A	
Low Battery Warning		22 V ±0.4 V			
Low Battery Cut		21.6 V ± 0.4 V			
Change Over Time (UPS Mode)		< 10 ms			
Change Over Time (WUPS Mode)		< 25 ms			
Crest factor		1 : 5			
Peak Efficiency		86 %			
Solar Charge Controller					
Solar Charge Controller Type / Efficiency		PWM Type / >96% Efficiency			
Max. Panel Wattage		2000 Watt		2400 Watt	
Max. PV Current		55 A		75 A	
Mains Charging Sharing		If PV Power Is Not Sufficient Enough To Charge The Battery, System Will Start Sharing Battery Charging From PV And Grid.			
Option for Solar Mode and Normal Mode		Yes, Provided, User can Select Solar Mode or Normal Mode. Hence User can Select to Save Maximum Power or Smart Power Saving Mode. Solar Mode :: System will Run the 100% Load on Solar Whole Days (9 Am to 4 Pm) and Charge the Battery from Solar. Normal Mode :: System will Run the 100% Load on Solar During Peak Hours (10 Am to 3 Pm) and Charge the Battery from Solar.			
100 % Priority & Solar Utilization		System is Utilizing 100% Solar Power Available			
Display and Alarms					
LCD Status Display		Input Frequency, Battery Voltage, Battery Charging, Battery Charged, Charging current, Back-up Mode, UPS On, UPS Off, Battery Voltage, Load %, Output V Mains Low Cut, Mains High Cut, Mains not Available, Mains frequency Cut			
LCD Fault / Protection Status Display		Mains Fuse Blown / MCB Trip, Short Circuit, over Load, Battery Low, High Temperature, Backfeed			
Buzzer		Audible Beep for Over Load, Short Circuit, Backfeed, Low Battery, Over Temp, Mains Fuse Blown / MCB Trip			
Environment					
Operating Temperature		0° - 40° C			
Cooling		Fan			
Storage Temperature		0° - 50° C			
Operating Relative Humidity		90 % Non - Consensiding			
Dimensions (L x W x H) in mm		370 x 325 x 380			
Weight (kg)		19.5 Kg		22.5 Kg	

*Specification are subject to change without prior notice due to constant improvement in design & technology.

* Recommended 1 Ton 5 Star Inverter AC with Yugama Intel 3650

SOLAR PCU OFF GRID



Available in 700 VA - 5kVA

Yugama Intel

- Pure Sine Wave Solar Pcu Pwm Are Based On Dsp Technology.
- Battery Charger Even At 70v Low Voltage.
- Smart Lcd Displays With All Necessary Information.
- Battery Types Support: Tubular, Smf, Flat Plate & Lithiumion.
- Inbuilt Powerful Solar Charge Controller To Give The Strength to Run The Appliances And Charge Battery Through Solar Fast.
- Pure Sine Wave Pcu With >80% Efficiency
- Solar Preference Charging For Battery To Reduce The Power Used From The Grid



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Yugama Intel

Yugama Intel (Solar Home PCU) Single Phase (1in 1Out)															
Model Name		Yugama Intel 1050		Yugama Intel 1200		Yugama Intel 2000		Yugama Intel 3050		Yugama Intel 3650		Yugama Intel 4000		Yugama Intel 5500	
DC input voltage		12V				24V						48V			
Manins Input mode															
Mains AC low cut		UPS Mode		175VAC ± 10VAC											
Mains AC low cut recovery				185VAC ± 10VAC											
Mains AC high cut				265VAC ± 10VAC											
Mains AC high cut recovery				255VAC ± 10VAC											
Mains AC low cut		WUPS Mode		90VAC ± 10VAC											
Mains AC low cut recovery				110VAC ± 10VAC											
Mains AC high cut				295VAC ± 10VAC											
Mains AC high cut recovery				285VAC ± 10VAC											
Input Frequency Range				40Hz to 60Hz											
Voltage Output in Mains Mode				Same as input											
Frequency Output in Mains Mode				Same as input											
Battery															
Battery Type				LA / Tubular / SMF											
Float charging voltage				13.7V±0.2V		27.4V±0.4V				54.8V±0.8V					
Boost charging voltage		Tubular and SMF Battery		14.5V±0.2V		28.0V±0.4V				56.0V±0.8V					
Boost charging voltage for LA Battery				14.0V±0.2V		29.0V±0.4V				58.0V±0.8V					
Battery High Cut				15.0±0.2V		31.0±0.4V				62.0±0.8V					
Charging Current 100Ah-135Ah Setting		(Input range 135VAC to 295VAC)		12A ± 1A											
Charging Current 150Ah-220Ah Setting				15A ± 1A											
Charging Current (Input range 90VAC to 135VAC)				5A-12A											
Backup Mode															
Output voltage				220VAC +5% -10% (untill battery low alarm)											
Output frequency				50Hz ± 0.2 Hz											
Output waveform				Pure Sine Wave ≤ 5% THD											
No Load current				≤ 4% of rated capacity											
Low Battery Warning				10.7V±0.2V		22V±0.4V				44V±0.8V					
Low Battery Cut				10.5V±0.2V		21.6V±0.4V				43.2V±0.8V					
Change over time		UPS mode		< 10msec											
Change over time		WUPS mode		< 25msec											
Crest Factor				1 : 5											
Peak Efficiency				86%											
Protections															
Overload in backup mode				≤ 100% Load Continuously run >100% to <120% Load, System will shut down in 2min >120% to <140% Load, System will shut down in 1min >140% to <160% Load, System will shut down in 17sec >160% to <180% Load, System will shut down in 6sec >180% to <200% Load, System will shut down in 3sec >200% Load, System will shut down in 850msec											
Short Circuit in Backup Mode				System will shutdown after 3 - retries in case of output short circuit											
Backfeed				System will shutdown in case of backfeed and there is no retry											
Solar Charge Controller															
Solar Charge Controller type / Efficiency				PWM type / > 96%											
Maxi Panel wattage can be connected				600W		1800W		2000W		2400W		3500W		4800W	
Maxi PV current				30A		55A		75A		55A		75A			
Mains Charging Shairing				If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.											
Load Shairing				Load Shairing is provided, solar will deliver the power as per load and battery requirement. Solar Current = Load Current + Ba7er Charging Current If load is 0% then it will protect the battery for over charging and increase the battery life deliver <18A current for battery charging.											
Option for Solar Mode & Normal Mode				Yes, provided, user can select Solar Mode or Normal Mode. Hense user can select to Save Maximum Power or Smart Power saving mode. Solar Mode: System will run the 100% load on solar whole days (9:AM to 4:PM) and charge the ba7ery from solar.											
100% Solar Priority & Solar Utilizatoin				System is utilizing 100% solar power available											
Energy Meter				Energy Meter is provided to show how much units of Electricity Saving from Solar											
Display and Alarms															
LCD Status Display				Mains ON, Input Voltage, Input Frequency, Battery Voltage, Battery Charging, Battery Charged, Charging Current, Backup Mode, UPS ON, UPS OFF, Battery Voltage, Load %, Output Voltage, Output Frequency.											
LCD Fault / Protection Status Display				Mains Fuse Belown / MCB Trip, Short Circuit, Overload, Battery Low, High Tempature, Backfeed											
Buzzer				Audible beep for Overload, Short Circuit, Backfeed, Low Battery, Over Tempature, Mains Fuse belown / MCB Trip											
Environment															
Operating Temperature				0°C to 40°C											
Storage Temperature				0°C to 50°C											
Operating Relative Humidity				90% Non-Condensing											
Weight and Dimentions															
Dimentions in mm (LxWxH)				324x302x162		472x360x225		370x325x380							
Weight				8.5kg		9.5kg		16.5kg		19.5kg		22.5kg		24.5kg 28.5kg	

SOLAR PCU (TRUE MPPT)



Vijender Singh

VIJENDER SINGH
(INTERNATIONAL BOXER)



YUGAMA MAX

Features :

- Multi Channel Interleaved MPPT Technology With Tracking.
- IGBT Based Design And Fast Charging
- 6 Stage Battery Charging
- Works As Stand-alone Solar Inverter In Case Of No Grid
- 40% Less Panel Required Than Other PCUs
- Efficiency 99.5%



Available in 1kVa-20kVA

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Yugama Max (Solar Home PCU) Single Phase (1in 1out)

Parameters	Unit											
Model	Yugama Max	1KVA	2.5KVA	3.5KVA	5KVA	5KVA	7.5KVA	10KVA	10KVA	15KVA	20KVA	
Operating DC voltage	Volts	12	24	48	48	96	96	120	180	240	240	
System Capacity	KW	0.8	2	2.8	4	4	6	8	8	12	16	
Battery Capacity (Min / Max)	AH	100-250										
SPV Parameters												
SPV Open Circuit Voltage Range (Min / Max)	Volts	18-50	36-100	72-200	72-200	144-400	144-400	180-450	270-450	360-600	360-600	
Max SPV Power	KW	1	2.5	3.5	5	5	7.5	10	10	15	20	
Solar Charge Controller Rating	A	60	70	70	70	60	60	70	60	60	70	
Compatible SPV Panels		36/60/72 cell										
MPPT Basted Charge Controller												
Switching Element		Mosfet		IGBT Module								
Controller		DSP										
Type of Charger		MPPT										
MPPT Battery Current Limiting (Default)		25A		40A								
Efficiency		>95%										
Battery Default Value												
PCU Working Mode Selection by Dip Switch / Selection Switch	Mode	Smart Hybrid PCU	Smart	Mode Selection : Hybrid / PCU / Smart, INV / UPS Selection								
Grid Disconnect Solar Present (PCU / Smart)	Volts	Acc. Battery Type Achieve Boost(Mains Disconnect After 2min.)	Tubular	According Battery type Achieve Boost (Mains Disconnect After 2 min)							Tubular	
Grid Reconnect (Smart / PCU)	Volts	11.8 / Batt. $\pm$ 2%									12 V	
Low Cutoff	Volts	10.5 / Batt $\pm$ 2 %										
Low Cut Off Recovery by SPV	Volts	11.5 / batt $\pm$ 2 %										
Low Buzzer	Volts	10.7 / Batt $\pm$ 2 %										
High Cutoff	Volts	16.5 / Batt $\pm$ 2 %										
High Cut Off Recovery	Volts	15.0 / Batt $\pm$ 2 %										
Boost Charging Volt by SPV TUB/SMF	Volts	SMF	14.2V $\pm$ 2%	TUBULAR	14.8V $\pm$ 2%	Setable Through LCD						
Grid Boost Charging Volt TUB/SMF	Volts		14.0V $\pm$ 2 %		14.4V $\pm$ 2%							
Float Charging Voltage	Volts		13.5V $\pm$ 2%		13.7V $\pm$ 2%							
Grid Charging Current Enable by DIP Switch (Normal)	Amps		12A $\pm$ 2%		NA							
Grid Charging Current Enable by DIP Switch (High)	Amps	15A $\pm$ 2%	15 A $\pm$ 2%									
Grid Charging Current Disable by DIP Switch	Amps	0 Amp	Enable									
Output												
Output Voltage No Load	Volts	230 $\pm$ 2%										
Output Frequency	Hz	50 $\pm$ 2%										
Overload	Amps	3.4	8.6	10.4	17.3	17.3	26	34.7	34.7	52.2	69.5	
Over Load Retry UPS Mode		NA										
Overload retry inverter Mode		3 Times										
Grid												
Battery Charging Stages		5 (Softstart, Boost, Absorption, Float, Equalize)										
No of Phase		1 Phase- 3 Wire P,N,E										
Voltage Range (Inverter Mode)	Volts	100 - 200 $\pm$ 2%										
Voltage Range (UPS Mode)	Volts	175 - 255 $\pm$ 2%										
Frequency Range	Hz	45 - 55 $\pm$ 2%										
Display												
Display	Alphanumeric	16 x 2 LCD		20 x 4 LCD with switch Configuration								
Parameters	Output(Inverter)	Voltage, Current, Power and Frequency										
	Input(Grid)	Voltage and Frequency										
	Solar	Voltage, Current, Power and Frequency (optional)										
	Battery	Voltage, Current										
	Status / Faults	Inverter Status, Mains Status, Charger Status, Solar Status and Battery Status/ Charging Stages/ Over Temp., System Uptime										
Inverter												
Switching Element		MOSFET					IGBT					
INV / UPS (IT Mode)		By Dip Switch				By front Switch						
Output Voltage	Volts	230 $\pm$ 2%										
Efficiency		$\geq$ 80%	$\geq$ 85%									
Phase		1 Phase- 3 Wire P,N,E										
Output Waveform		Pure Sine Wave										
Frequency	Hz	50 $\pm$ 2%										
Changeover (Mains to Inverter)	ms	< 10ms										
Output Power Factor		0.8										
Switches		System On/OFF, Mode Selection : Hybrid / PCU / Smart, INV / UPS Selection										
Indication (LED)		Inverter On Mains in range, Battery Low / High, Charger On, Over Load, Faults										
Alarm (Audible)		Battery low, Over Load, Charger On, Inverter On, Solar Charger On										
Protection		Over Load, Short circuit Protection, Over Voltage, SPV Surge and Transient Protection (MOV Varistors), Reverse Polarity of Battery, Over temp. Protection, Under Voltage and Over Voltage protection										
Cooling		Forced Airt Cooling (Temperature Controlled)										
Operating Temp	C	0 - 50										
Noise @ 1 meter Distance		50 dB										
Operating Humidity	%	95										
Protection Class		IP 20										
Dimension (L x W x H)	mm	432 x 382 x 216	470 x 400 x 500	600 x 400 x 610				680 x 400 x 810		730 x 730 x 830		
Net Weight	kg	18	28	39.5	50	530	83.73	84.6	86.7	100		

*Specification are subject to change without prior notice due to constant improvement in design & technology.

**TUBULAR
BATTERY**

उज्जवल
भारत का
सोलर



SMOOTH JOURNEY
**WITH SMART
BATTERY**

Vijender Singh

VIJENDER SINGH
(INTERNATIONAL BOXER)

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FEATURES:-



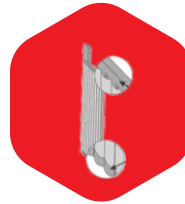
100% Tubular Technology



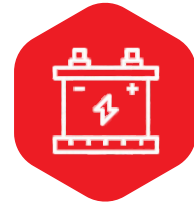
99.99% Pure Lead



Quick Recharge Formulation



Pe Envelope Separator



Factory Charged Battery



Longer Back-up Time



Longer Life



Hassle Free Service



Low Maintenance



Ceramic Water Level Indicator

TECHNICAL SPECIFICATION

S.No	Battrey Name	Model Number	Type of Battery	Type of Battery	Warranty
1.	Easy Solar	ESITT - 17060	C 20	170 Ah	36+24*
2.	Easy Solar	ESITT - 20060	C 20	200 Ah	36+24*
3.	Easy Solar	ESITT - 23060	C 20	230 Ah	36+24*
4.	Easy Solar	ESSTT - 17084	C 10	170 Ah	60+24*
5.	Easy Solar	ESSTT - 20084	C 10	200 Ah	60+24*
6.	Easy Solar	ESSTT - 23084	C 10	230 Ah	60+24*

ADVANTAGES:

- Quick charge acceptance.
- Suitable for frequent power- cuts.
- Very low maintenance & long life.
- Eco- friendly Aqua Trap vent plugs
- To ensure no acid fumes.



LED STREET LIGHT



CUSTOMIZED
SOLUTION
ALSO
AVAILABLE

SOLAR SEMI INTEGRATED LED STREET LIGHT

Certification

- ✓ IEC-61547
- ✓ IEC- 16103
- ✓ IK-08
- ✓ 9001:2015
- ✓ MSME
- ✓ IEC-16107
- ✓ CISPR-15
- ✓ LM-79
- ✓ NSIC
- ✓ IP 65



UREDA



JAKEDA



MP-URJA



HAREDA



UPNEDA



PEDA

Vijender Singh
VIJENDER SINGH
(INTERNATIONAL BOXER)



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SOLAR SEMI INTEGRATED LED STREET LIGHT

Features :-

- Multiple Intelligent Dimming.
- Battery Charging , Battery Low Indication And Full Charge Indication.
- Auto Dusk To Dawn Operation.
- Two Night Backup On Fully Charged.
- Over Charging Protection.
- Deep Discharge Protection
- Includes Timer And Includes Motion Sensor.
- Solar Reverse Protection .

SUNGREEN SILVER (PWM) Technical Specification

PERTICULAR	12 W	12 W	15 W	18 W
Solar Module	50 Wp	50 Wp	75 Wp	75 Wp
Battery (life-po4)	12.8V-12Ah	12.8V-12Ah	12.8V-24Ah	12.8V-30Ah
Lumens	2040	2040	2550	3060
CRI	80	80	80	80
Driver Efficiency	≥85%	≥85%	≥85%	≥85%
IP Rating	IP66	IP66	IP66	IP66
Mounting ID	51mm	51mm	51mm	51mm
Weight (kg) Approx	2.66Kg	3.240Kg	3.820Kg	4.400Kg

SUNGREEN GOLD (MPPT) Technical Specification

PERTICULAR	12 W	12 W	15 W	18 W
Solar Module	50 Wp	50 Wp	75 Wp	75 Wp
Battery (life-po4)	12.8V-12Ah	12.8V-12Ah	12.8V-24Ah	12.8V-30Ah
Lumens	2040	2040	2550	3060
CRI	80	80	80	80
Driver Efficiency	≥90%	≥90%	≥90%	≥90%
IP Rating	IP66	IP66	IP66	IP66
Mounting ID	51mm	51mm	51mm	51mm
Weight (kg) Approx	2.66Kg	3.240Kg	3.820Kg	4.400Kg

LED COLORS

Warm White
2700K - 3500K

Cool White
3500K - 5000K

BATTERY TYPE

Li-Ion

DRIVER TYPE

PWM

BODY COLOR

GRAY



*Specification are subject to change without prior notice due to constant improvement in design & technology.

SOLAR MODULES



AR Coated Tempered Glass
Anti-Reflective Module Surface



Excellent Module Efficiency



Positive Power Tolerance
Up to 5W



Pre and Post EL Checking
to ensure defect free modules



Ip68 Junction Box
for Long Term Endurance



Ensure safety parameters
through Safety test



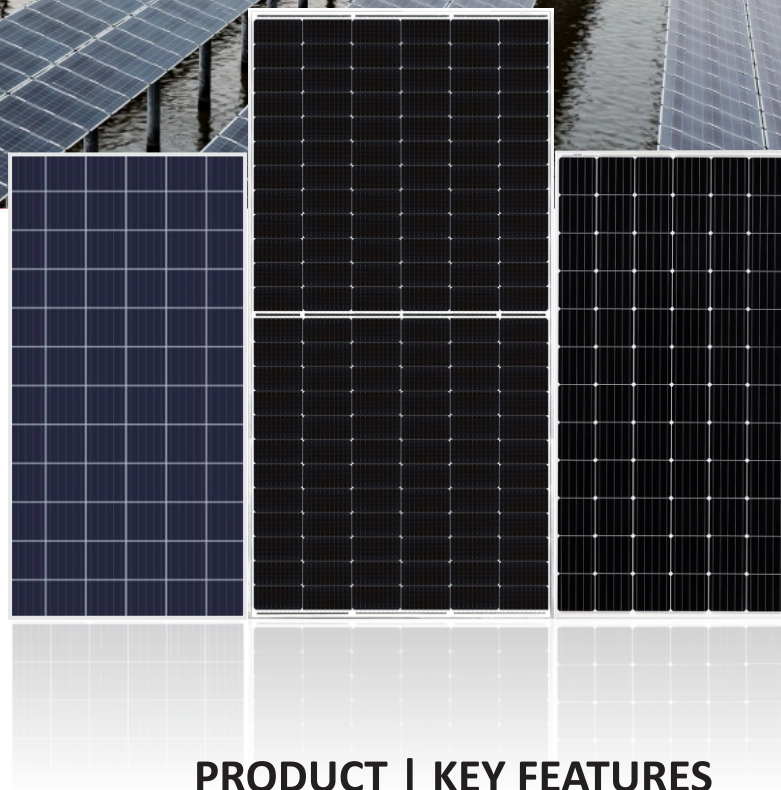
Quality and Reliability assurance
in standard weather condition



Industry leading linear power
output warranty*



Product warranty on
materials and workmanship



PRODUCT | KEY FEATURES

EUROPEAN TECHNOLOGY
FOR EXCELLENCE PERFORMANCE

PRODUCT CERTIFICATES

 IECEE CB Scheme	 IEC 61215	 IEC 61730-1 / 2	 IEC 61853-1	 ISO 9000
 IEC 62716	 IEC 61701	 IEC 62804	 IS 14286	 QUALITY APPROVED

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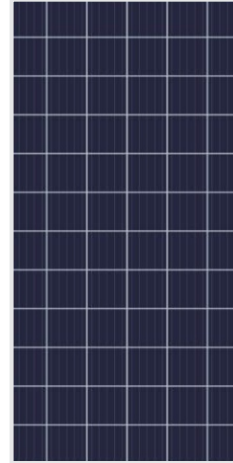
TECHNICAL DATA 50W - 340W

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

	55W/12V	75W/12V	110W/12V	170W/12V	175W/12V	340W/24V
Nominal Maximum Power (Pmax)						
Optimum Operating Voltage (Vmp)	18.6	17.4	18.9	18.86	19.30	38.09
Optimum Operating Current (Imp)	2.96	4.31	5.81	9.02	9.07	8.94
Open Circuit Voltage (Voc)	22.70	22.1	22.31	23.01	23.60	45.59
Short Circuit Current (Isc)	3.13	4.60	6.27	9.61	9.54	9.48
Module Eff(%)	19.1	14.6	15.8	15.8	18.0	17.0

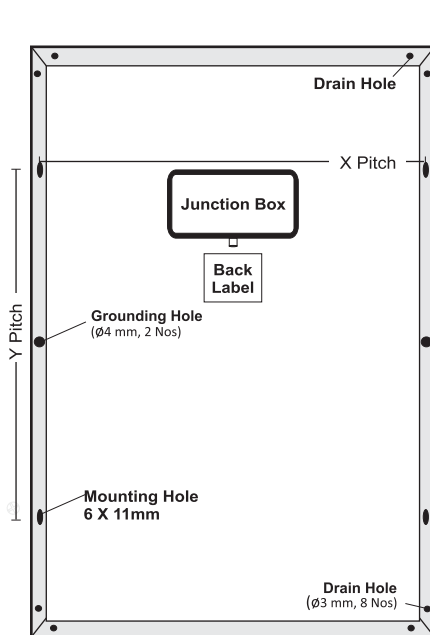
Mechanical Specifications

Dimensions (Length in mm)	533	770	1010	1485	1960
Dimensions (Width in mm)	660	660	665	665	990
Dimensions (Height in mm)	30	30	30	35	35
Weight(kg)	3.9	5.40	7.06	11	21
No Of Cell	36	36	36	36	72

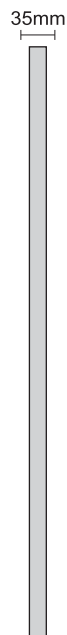


POLY

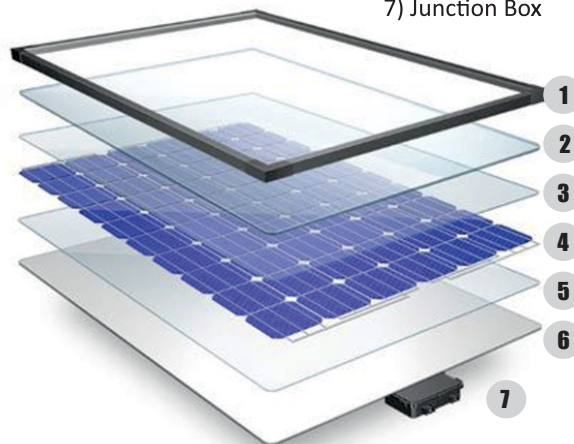
BACK VIEW



SIDE VIEW



- 1) Aluminum Frame
- 2) Solar Tempered Glass
- 3) Encapsulant
- 4) Solar Cell String
- 5) Encapsulant
- 6) Backsheet
- 7) Junction Box



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000/1500V
Maximum Series Fuse Rating:	10-20 A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(I_{sc})$:	0.021%/°C
Voltage Temperature Coefficients $\beta(V_{oc})$:	-0.291%/°C
Power Temperature Coefficients $\gamma(P_{max})$:	-0.397%/°C

Caution: Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read EASY SOLAR warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EASY SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

MONO CRYSTALLINE

TECHNICAL DATA 200W - 410W

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

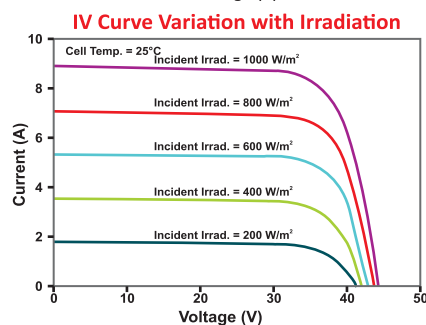
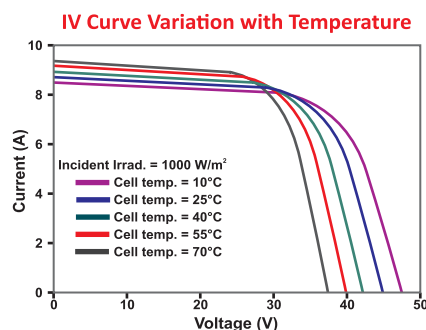
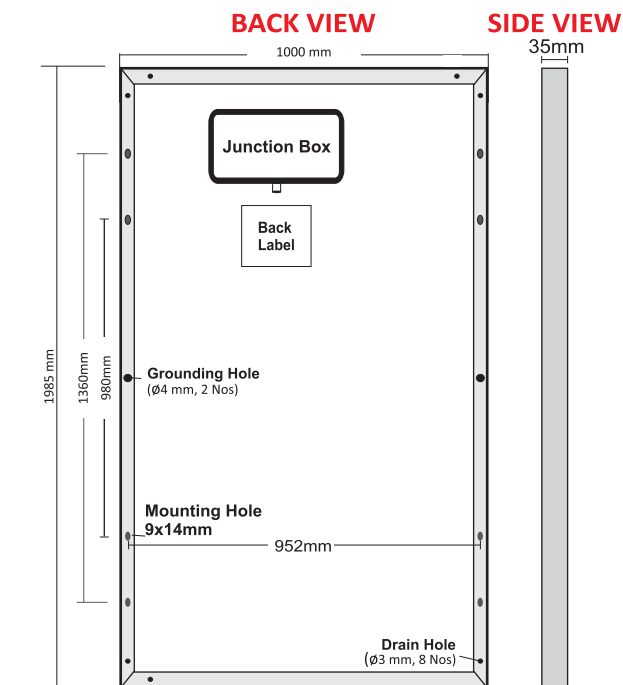
Nominal Maximum Power (Pmax)	200W	410W
Optimum Operating Voltage (Vmp)	20.20	41.88
Optimum Operating Current (Imp)	9.92	9.79
Open Circuit Voltage (Voc)	24.2	48.80
Short Circuit Current (Isc)	10.13	10.45
Module Eff(%)	20.30	20.2

Mechanical Specifications

Dimensions (Length in mm)	1490	1985
Dimensions (Width in mm)	670	1000
Dimensions (Height in mm)	35	35
Weight(kg)	11	21
No Of Cell	36	72



MONO



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(I_{sc})$:	0.021%/°C
Voltage Temperature Coefficients $\beta(V_{oc})$:	-0.291%/°C
Power Temperature Coefficients $\gamma(P_{max})$:	-0.397%/°C

Caution: Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read EASY SOLAR warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EASY SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

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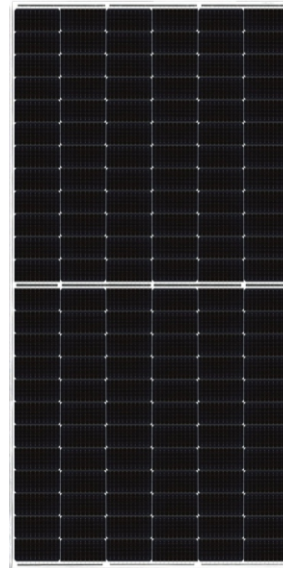
TECHNICAL DATA 445W - 545W

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

Nominal Maximum Power (P _{max})	445W	545W
Optimum Operating Voltage (V _{mp})	39.10	42.02
Optimum Operating Current (I _{mp})	11.66	12.9
Open Circuit Voltage (V _{oc})	48.90	50.14
Short Circuit Current (I _{sc})	12.49	13.55
Module Eff(%)	21	21.1

Mechanical Specifications

Dimensions (Length in mm)	2102	2279
Dimensions (Width in mm)	1040	1133
Dimensions (Height in mm)	35	35
Weight(kg)	22	27
No Of Cell	144	144

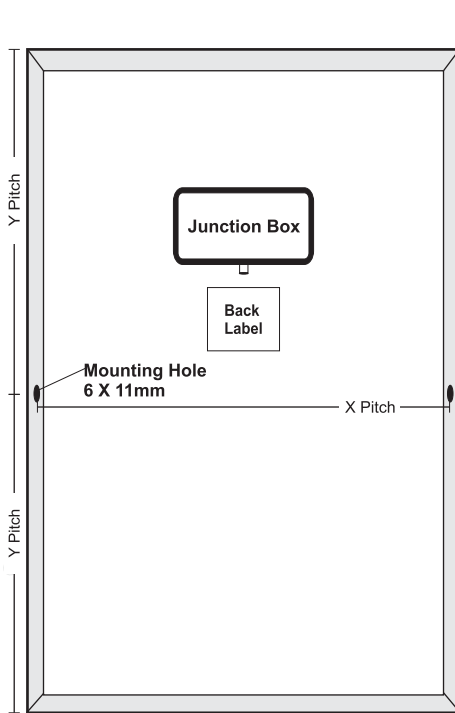


HALF-CUT

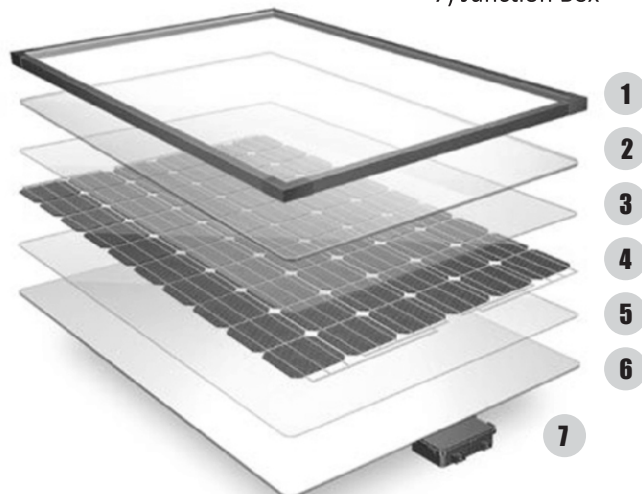
- 1) Aluminum Frame
- 2) Solar Tempered Glass
- 3) Encapsulant
- 4) Solar Cell String
- 5) Encapsulant
- 6) Backsheet
- 7) Junction Box

BACK VIEW

SIDE VIEW



35mm



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20-25A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(I_{sc})$:	0.021%/°C
Voltage Temperature Coefficients $\beta(V_{oc})$:	-0.291%/°C
Power Temperature Coefficients $\gamma(P_{max})$:	-0.397%/°C

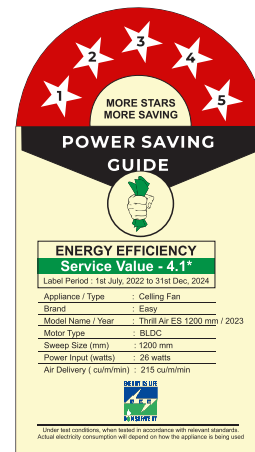
Caution: Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read EASY SOLAR warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EASY SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

CEILING FAN



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- High Grade CRGO Lamination
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- Triple Invertor's Backup Hours
- 100% High Quality Copper Winding
- Compliant With 374: 1979 Standards
- Compliant With Bee 5 Star Specifications
- Remote Controlled With Smart Functions
- Full Speed Even At Low Voltage & Power Fluctuations

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ECONOMICS OF CEILING FAN IN INDIA

Wattage Consumption	28-30 Watts
Warranty	Upto 2 Years
Air Delivery	210
Units Consumed Per Year	100
Electricity Cost Per Year (Rs.)	600.00
Savings Per Year (Rs.)	1020.00
Saving For 2 Years (Rs.)	2040.00

1. Usage Of 12 Hours Per Day@300 Days
2. Electricity Charges Rs. 6/- Per Unit

3. Saving Calculated On Regular Fan
2. Fan Is Free In Upto 2 Years

TECHNICAL SPECIFICATIONS

Type Of Motor

Sensorless Brushless DC Motor

Nominal Operating Voltage

230V, 50Hz (90-300V AC)

Protection Features

Blocked Blade, Over Voltage, Under Voltage And Over Current

Type Of Blades

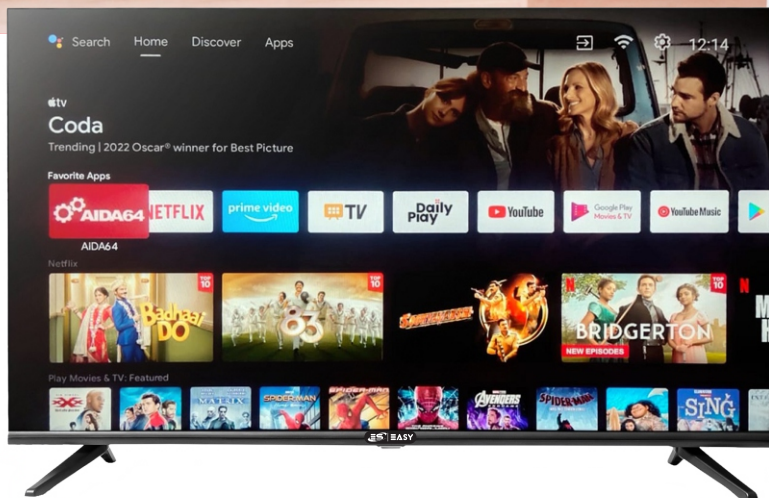
Aluminium



REMOTE CONTROL AND OPERATIONS

1. Turn On/ Off Fan
2. Speed Switches 1 to 6
3. Full (Boost Speed)
4. Eco (Nominal Speed)
5. Timer Mode, Turn Off Fan After 1, 2, 4, 6, 8 Hour
6. In Smart Mode Automatically Reduces Speed Of Fan up to 12 Hour From Fast To Low
7. R (Reverse Rotation For Hot & Cold Air Circulation

LED TV



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VIDEO QUALITY HD



BLUETOOTH



SOUND BAR



HDMI



WIFI

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TECHNICAL SPECIFICATIONS

Product		Smart LED TV	
Model Name		32 ES Smart	43 ES Smart
Display Size		31.5" (80 cm)	42.5" (108 cm)
USB Format			
Video		MPEG-1, MPEG-2, MPEG-4, H.264, H.263, avi, mp4, .mpg, .mkv, .mov, .dat, .vob	
Music		mp3, .wav	
Image		.jpg, .bmp, .png	
Power			
Power Requirement		115-230VAC, 50/60Hz	
Power Consumption (Standby)		≤ 0.5W At 240VAC Input & No Load Condition	
Maximum Power Consumption		50 Watt	75 Watt
Current		≤ 1.8 Amp	
Accessories			
Remote Controller		Yes	
Wall-Mount Bracket		Yes	
User Manual		Yes	
Stand		Yes	
Smart TV Features			
Processor		QUAD-Core A53 1.5 Ghz	
GPU		Mali-G31MP2	
RAM		1 GB	
ROM		8 GB	
Operating System		Android 9.0	
UI		Cloud Launcher with Certified indian (Hotstar, Sonyliv, etc.) apps, maxhub share	
Connectivity			
ETHERNET (RJ45)		1	
COAX		1	
TV		1	
HDMI		2	
AV INPUT		2	
USB		2	
Head Phone		1	
Parameters			
Panel	Type	TFT-LCD/LED	
	Interface	Single/Double LVDS	
TV	Receiving Range	48.25 MHz - 863.25 MHz	
	Input Impedence	75 Ohm	
	Video System	PAL, NTSC, SECAM, MPEG-2, MPEG-4, H.264	
	Sound System	BG, DK, I, M/N, NICAM/A2, MPEG-1 Layer1/2, MPEG-2 Layer 2	
AV	Color System	PAL / NTSC / SECAM	
	Video Level	1.0 Vp ± 10%	
HDMI	Format	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
Audio Output	Max Output Power	2 x 8W @ 8 ohm, YHD ≤ 10%	
WLAN	Max Data Rate	150 Mbps	
	Operauing Frequency	2.4 Ghz	
	Communication Standards	IEEE 802.11b/g/n	
Keyboard		Power, Menu, Source, CH+, CH-, VOL+, VOL-	
Dimensions			
Dimensions LED Set (L x W x H) without Stand (in mm)		722 X 80 X 425	961 X 82 X 558
Dimensions LED Set (L x W x H) with Stand (in mm)		722 X 175 X 470	961 X 210 X 607
Box Dimensions (L x W x H) (in mm)		805 X 140 X 510	1065 X 172 X 675
Gross Weight of Product (kg)		6.00	10.30
Net Weight of Product (kg)		4.40	6.90

TECHNICAL SPECIFICATIONS

Product		SMART TV	
Model Name		55 ES Smart	
Display Size		55" (139 cm)	
Extensions			
.avi	video	Xvid(except GMC), H.264/AVC, Motion Jpeg, MPEG-4	
	audio	MPEG-1 Layer I, II, MPEG-1 Layer III (MP3), Dolby Digital, LPCM, ADPCM	
.mp4, .m4v, .mov	video	H.264/AVC, MPEG-4, HEVC, AV1	
	audio	Dolby Digital, Dolby Digital Plus, AAC, MPEG-1 Layer III (MP3), Dolby AC-4, MPEG-H 3D Audio	
.3gp, .3g2	video	H.264/AVC, MPEG-4	
	audio	AAC, AMR-NB, AMR-WB	
.mkv	video	MPEG-2, MPEG-4, H.264/AVC, VP8, VP9, HEVC, AV1	
	audio	Dolby Digital, Dolby Digital Plus, AAC, PCM, MPEG-1 Layer I, II, MPEG-1 Layer III (MP3)	
.ts, .trp, .tp, .mts	video	H.264/AVC, MPEG-2, HEVC	
	audio	MPEG-1 Layer I, II, MPEG-1 Layer III (MP3), Dolby Digital, Dolby Digital Plus, AAC, PCM, Dolby AC-4	
.mpg, .mpeg, .dat	video	MPEG-1, MPEG-2	
	audio	MPEG-1 Layer I, II, MPEG-1 Layer III (MP3)	
.vob	video	MPEG-1, MPEG-2	
	audio	Dolby Digital, MPEG-1 Layer I, II, DVD-LPCM	
Power			
Power Requirement		100-240VAC 50/60Hz	
Power Consumption (Standby)		≤0.5W At 240VAC input & no load condition	
Maximum Power Consumption		135 watts	190 watts
Current		≤ 1.8 Amp	
Accessories			
Remote Controller		MAGIC & IR TYPE ASPER CUSTOMER SELECTION	
Wall-Mount Bracket		YES	
User Manual		YES	
Stand		YES	
Smart TV Features			
Processor		ARM Quad Core CA75*2+	
GPU		IMG BXE4 (700 Mhz)	
RAM		1.5GB	
ROM		8 GB	
Operating System		LGE webOS22	
UI		webOS : youtube,nA37:L52etflix, Amazon prime,hotstar,zee5,sonyliv,voot,erosnow,alt balaji,shemaroo,yuppTV, many more	
Connectivity			
ETHERNET (RJ45)		1	
COAX		1	
TV		1	
HDMI (HDMI 2 WITH ARC)		3	
AV INPUT		1	
USB		2	
Head Phone		1	
Parameters			
Panel	Type	TFT-LCD/LED	
	Interface	V-by- One	
TV	Receiving Range	48.25MHz-863.25MHz	
	Input Impedence	75Ω	
	Video System	PAL,SECAM/NTSC	
AV	Color System	PAL/NTSC	
	Video Level	1.0 Vp ± 10%	
HDMI	Format	480i,480p,720p,1080i,1080p,2160p	
Audio Output	Max Output Power	2X8W @ 8ohm THD≤10%	
WLAN	Operauing Frequency	2.4/5.0 GHz	
	Communication Standards	IEEE 802.11a/b/g/n/ac+	
Keyboard		Power,Menu,Source,CH+,CH-,VOL+,VOL-	
Dimensions			
Dimensions LED Set (L x W x H) without Stand (in mm)		1232 X 87 X 712	1442 X 82 X 900 mm
Dimensions LED Set (L x W x H) with Stand (in mm)		1232 X 300 x 770	1442 X 290 X 842 mm
Box Dimensions (L x W x H) (in mm)		1332 X 200 X855	1550 X 190 X 947 mm
Gross Weight of Product (kg)		19.8	25 kg
Net Weiaht of Product (kg)		11.2	17.8 kg

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VALUABLE CLIENTS



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Govt. College For Women
300kW On-Grid at Srinagar (J&K)



L.P. Sheetgrah Pvt. Ltd.
550kW On-Grid at Firozabad (U.P.)



Rishab Academy
100kW On-Grid at Merrut (U.P.)



Jawahar Lal Nehru, Hospital
100kW On-Grid at Srinagar (J&K)



Directorate Of Technical Edu.
100kW On-Grid at Srinagar (J&K)



Mini Secretariat
100kW On-Grid at Shopian (J&K)



Hotel Pratap Residency
75KW On-Grid at Firozabad (U.P.)



World Trade Center
60KW On-Grid at Noida (U.P.)



Ghaziabad Nagar Nigam
50KW On-Grid at Ghaziabad (U.P.)



BSA College of Engineering
180 KW On Grid Mathura (U.P.)



District. Collectrate Office
80 KW on Grid Mirzapur (U.P.)



District Collectrate Office
70 KW on Grid Jaunpur (U.P.)

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Lucknow Public School
50KW On-Grid at Barabanki (U.P)



Alphred Park
30KW On-Grid at Prayagraj (U.P)



Dep. Of Eco. Env. & Remote Sen.
50KW On-Grid at Srinagar (J&K)



ALP Cold Storage Pvt. Ltd.
300 KW Ongrid at Sikohabad (U.P.)



Sharda Cold Storage
200 KW Ongrid Firozabad (U.P.)



Airport Authority of India
100 KW on Grid Kanpur (U.P.)



BSF- 100KW
Noida (U.P)



Sharda Cold
200KW Firojabad (U.P)



Maa Anjani Cold
350KV Firojabad (U.P)

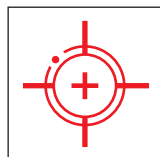
CERTIFICATE



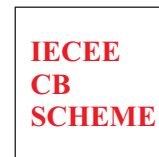
Certified



An ISO
9001: 2015
Certified



Salt mist
Corrosion
Resistant



Certified



Certified



Manufactured By:-

EASY SOLAR SOLUTIONS PVT. LTD



Plot No.27, Industrial Estate,
Delhi- Meerut Road, Merta,
Gzd-201003(U.P)



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