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Product Catalogue 2025



Amaze Solar Solutions is a leading provider of cutting-edge solar energy solutions. Specializing in residential solar panel installations, they offer state-of-the-art photovoltaic systems that seamlessly integrate with your home.

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With a focus on efficiency and sustainability, Amaze Solar Solutions ensures customized setups to maximize energy production and minimize costs.

Their team of experts guides clients through the entire process, from initial consultation to installation and beyond. Choose Amaze Solar Solutions for a reliable and eco-friendly energy solution that transforms sunlight into savings.









Polycrystalline solar panels consist of multiple photovoltaic cells, and each cell contains silicon crystals. They are a slice cut from a block of silicon, consisting of a number of crystals. These crystals make the pales function like a semiconductor and thus generate electricity. They do not require the placement and shaping of each crystal and therefore produce less waste.



Electrical Parameters @ STC

Model ALMM Reference Model	AMS 12170	ALP 24L335WM
Cell Type	Poly	Poly
No. of Cells	36	72
Peak Power PMax (Wp)	170	335
Rated Module Voltage (V)	12	24
Maximum Power Voltage Vmp (V)	18.86	38.08
Maximum Power Current Imp (A)	9.02	8.80
Open Circuit Voltage Voc (V)	23.01	46.02
Short Circuit Current Isc (A)	9.61	9.43
Module Efficiency (%)	16.47%	16.85%
Maximum System Voltage (V)	600V	1500V
Maximum Series Fuse Rating	12A	20A

Solar Module Dimension



*STC (1000W/m²), AM1.5, cell temperature 25°C". Power Tolerance : 0/+5%. Power measurement accuracy:±3%

Mechanical Data

Module Dimensions (mm)	1505x686	1986x1001		
LxWxT	x35	x35		
Module Weight (kgs)	11	21		
IP Rating	IP 65	IP 67		
Cable	1000mm length cables			
Frame	Silver Anodized Aluminium Alloy			
Glass	3.2mm thick high transmission low iron tempered glass, AR coated			
Cell Encapsulant	EVA (Ethyelene	Vinyl Acetate)		
Back Sheet	Composite Film			
Maximum Surface Load Capacity	5400 Pa (Pascals)			
Aplication Class	Class A (Safety Class II)			

Permissible Operating Conditions

Operating Temperature	- 40°C to + 85°C				
Temp coefficient of Open Circuit Voltage	-0.23 %/°C	-0.3%/°C			
Temp coefficient of Short Circuit Current	0.07 %/°C	+0.06%/°C			
Temp coefficient of Power	-0.29 %/°C	-0.35%/°C			

Warranty and Certifications

Product Warranty**	5 Years 12 Y				
Performance Warranty**	Linear Performance Warranty for 25 Years with 3% for 1st year degradation and 0.70% from year 2 to 25				
Approvals and Certificates	BIS certified as per IS/IEC sta	ndards			

** Refer to Amaze Warranty document for Terms and conditions. Technical specifications are subject to change without prior notice.



PV Panels

Mono PERC Half Cut Bifacial Panels





Mono PERC half-cut solar panels consist of solar cells that are cut in half in order to improve the panel's performance and durability. When the panels are halved, the current also gets halved, which reduces the resistive losses and allows solar cells to produce more power. All this leads to increased efficiency and greater durability.



Electrical Data	AMS 24540M DCR- Mono-Facial	AMS 24540M DCR- Bifacial (Trans. Backsheet)	AMS 24545M DCR- Bifacial (Trans. Backsheet)	AMS 24550M (Bifacial)
Peak power, Pmax(Wp)	540	540	545	550
Maximum Power Voltage Vmp (V)	41.92	41.92	41.96	42.00
Maximum Power Current Imp (A)	12.89	12.89	12.99	13.1
Open Circuit Voltage Voc (V)	49.40	49.40	49.44	49.48
Short circuit current, Isc (A)	13.72	13.72	13.83	13.95
Module efficiency (%)	20.89%	20.89%	21.09%	21.62%
Maximum System Voltage (V)	1500V	1500V	1500V	1500V



Electrical Characteristics with different rear side power gain (Reference 545 Wp Front)	AMS 24545M DCR- Bifacial (Trans. Backsheet)				AMS 24 (Bifa	4550M Icial)		
Bi-Faciality Gain	10%	15%	20%	25%	10%	15%	20%	25%
Peak power Pmax (Wp)	599	626	654	681	605	632	660	687
Maximum Power Voltage Vmp (V)	41.96	41.96	41.96	41.96	42	42	42	42
Maximum Power Current Imp (A)	14.28	14.92	15.59	16.23	14.41	15.05	15.71	16.36
Open Circuit Voltage Voc (V)	49.42	49.37	49.44	49.41	49.51	49.49	49.53	49.48
Short Circuit Current Isc (A)	15.21	15.91	16.6	17.29	15.35	16.04	16.74	17.44
Module Efficiency (%)	23.03%	24.19%	25.16%	26.32%	23.42%	24.39%	25.55%	26.52%

Mechanical Data	AMS 24540M DCR- Mono-Facial	AMS 24540 DCR- Bifacial (Trans. Backshee	∕ 1 t)	AMS 24545M DCR- Bifacial (Trans. Backsheet)	AMS 24550M (Bifacial)
Cell Туре	Mono PERC Half Cut				
No. of Cells			14	4	
Rated Module Voltage (V)			2	4	
Maximum Series Fuse Rating			25	A	
Module Dimensions (mm)	2278 x 1134 x 35				
Module Weight (KG)	28.3				
IP Rating	IP 67				
Cable		300 mr	n ler	ngth cables	
Frame		Silver andon	zed	aluminium alloy	
Glass	3.2 mm thick high transmission low iron tempered glass, AR coated				npered
Cell Encapsulant		EVA (Ethyl	ene	Vinyl Acetate)	
Backsheet	White Transparent				
Maximum surface load capacity	5400 Pa				
Application Class		Class A	Saf	ety Class II)	

Temperature Co-efficients (Tc) and permissible operating conditions	AMS 24540M DCR- Mono-Facial	AMS 24540M DCR- Bifacial (Trans. Backsheet)	AMS 24545M DCR- Bifacial (Trans. Backsheet)	AMS 24550M (Bifacial)
Operating Temperature	-40°C to +85°C			
Temp coefficient of Open Circuit Voltage	-0.3%/°C			
Temp coefficient of Short Circuit Current	+0.06%/°C			
Temperature coefficient of Power		-0.35	%/°C	

Warranty and Certifications	AMS 24540M DCR- Mono-Facial	AMS 24540M DCR- Bifacial (Trans. Backsheet)	AMS 24545M DCR- Bifacial (Trans. Backsheet)	AMS 24550M (Bifacial)
Product Warranty**	12 Years			
Performance Warranty***	Linear performance warranty for 25 years with 2% for 1st year degradation and 0.55% from year 2 to 25			
Approvals and Certificates	BIS certified as per IS/IEC standards			







AMS range is a solar inverter range that intelligently uses grid and solar power. With ability to operate in a wide voltage range, AMS is the ideal starter solar solution for homes.



Solar Estimation Chart

	Solution		Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)
Solar Inverter	Solar Battery	PV Panel Watt		
AMS 875e	150Ah x 1	170Wp x 3 Nos	3 (P)	60
AMS 1175e	150Ah x 1	170Wp x 5 Nos	5 (P)	100
AMS 1475e	150Ah x 1	170Wp x 6 Nos	6 (P)	120
AMS 1875e	150Ah x 2	550Wp x 3 Nos	3 (P)	180
AMS 2375	150Ah x 2	550Wp x 4 Nos.	4 (P)	240



Model Name	AMS 850e	AMS 1150e	AMS 1450e	AMS 1850e	AMS 2375	
Nominal Battery Voltage (Vdc)	12V	12V	12V	24V	24V	
Capacity (VA)	500VA	850VA	1100VA	1500VA	2000VA	
Output Waveform			Sine Wave			
SOLAR PHOTOVOLTAIC INPUT						
Charge Controller Type			PWM			
Charge Controller Rating	30A	50A	60A	40A	55A	
Maximum PV Power	500Wp	850Wp	1100Wp	1500Wp	2000Wp	
Input Voltage range (Voc)	18V-25V	18V-25V	18V-25V	36V-60V	36V-60V	
GRID INPUT						
Operating Voltage Range			90V-290V			
GRID OUTPUT						
No Load Output			230V +/- 10V			
Output frequency battery mode			50 Hz +/- 0.5Hz			
Inverter Efficiency			>80%			
USER SELECTABLE SWITCHES						
Mode Selections			Solar/Solar+Grid/Grid+So	olar		
Battery Type Selections			Tubular/Flat Plate/VRL	A		
MAINS CHARGING CURRENT						
Solar Mode	OA*					
Solar + Grid Mode	10A±2A 1			15A±2A		
Grid + Solar Mode	15	A±2A		20A±2A		
BATTERY						
No. of Batteries		1	1	2		
Battery Charging Current	0A,1	0A,15A		0A,15A,20A		
Type of Battery Supported			Tubular/Flat Plate/VRLA			
PROTECTIONS						
Overload			>105%			
Protections		Short circuit, Overload,	Over temperature, Low Ba	ttery, No Load Shutdown		
Indications	Mains Av	vailable, Solar Charging, Gi	id Charging, Power Saving	, System On, Low Battery,	Overload	
DISPLAY INDICATIONS		LED INDICATIONS		LCD DIS	PLAY	
System ON indication	System ON L	ED Steady				
Mains ON indication	ON Mains LE	D steady				
Charging ON indication	ON Mains LE	D steady + CHG. LED Stea	ady			
Low battery pre-alarm indication	System ON L	ED Steady + Battery Low I	ED Blinking			
Low battery indication	Battery Low I	ED Steady				
Battery Charged Indication	ON Mains LE	D steady + CHG. LED Off				
Overload Indication	Overload LEE) Steady		Mains Available	e, Power Saving,	
Short circuit indication in UPS mode	Overload LED	Blinking/(ON Mains & Ove	erload LED) Blinking	Solar Current, S	Solar Power,	
DC overload indication	ON Mains LE	D + Charge LED Blinking		System On, Gri	d Charging,	
Thermistor Open/Short Indication	ON Mains LE	D & Overlaod LED Steady		Low Battery, O	verload,	
Output Feedback open/Reverse	ON Mains LE	D & Overlaod LED Blinkin	g	No Load Shutd	own	
Battery Charging Through Solar	Solar Chargin	g LED Blinking				
Power Saving Mode	Power Saver	Steady + Solar Chg. LED B	linking/Steady			
Battery Charging Through Solar + Mains	ON Mains LED + Charge LED Steady + Solar Charging LED Blinking					
No Load Shutdown	System ON LED Blinking					
Solar Over Current	Solar Chargin	g LED Blink Faster				
GENERAL						
Net Weight (Kg)	8.2 kg	11.8 kg	16.5 kg	17.1 kg	18.5 kg	
Gross weight (Kg)	9.7 kg	13 kg	17.8 kg	18.5 kg	20 kg	
Dimensions LxWxH (mm)		320x302x130 mm		320x275x	(150 mm	

PCU PRO Series

Superior Performance





PCU Pro range from Amaze allows smart management of Solar Power, Grid Supply and Battery to deliver uninterrupted power for all electrical applications. Designed for high performance against the typically tough Indian grid conditions, PCU PRO range is available from 2kVA to 10kVA



Solar Estimation Chart

	Solution		Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)
Solar PCU	Solar Battery	PV Panel Watt		
PCU PRO 2KVA	150Ah x 2	550Wp x 4 Nos.	2 (S) 2 (P)	120
PCU PRO 3KVA	150Ah x 3	550Wp x 6 Nos.	3 (S) 2 (P)	240
PCU PRO 5KVA	150Ah x 4	550Wp x 9 Nos.	3 (S) 3 (P)	540
PCU MPPT 7.5KVA	150Ah x 8	550Wp x 14 Nos.	7 (S) 2 (P)	840
PCU PRO 10.1KVA	150Ah x 10	550Wp x 18 Nos.	6 (S) 3 (P) or 8 (S) 2 (P)	1080



Model Name	PCU PRO 2KVA PCU PRO 3KVA		
Capacity (kVA)	2kVA 3kVA		
Nominal Battery Voltage (Vdc)	24V 36V		
Output Waveform	Sine	wave	
SOLAR PHOTOVOLTAIC INPUT			
Type of Charger	MI	PPT	
Maximum PV power	2000W	3000W	
Solar Input Voltage (Voc)	55V-107V	75V-150V	
Solar Input Voltage range (Vmp)	45V-85V	60V-120V	
No. of MPPT Channels		1	
GRID INPUT			
Input Supply Phase	Single	Phase	
Input Voltage Mains mode (Regulated UPS Mode)	180-2	60 Vac	
Mains mode (Unregulated UPS Mode)	110V-	280Vac	
BATTERY			
No. of Batteries	2	3	
Battery Charging Current from Solar	30	A	
Battery Charging Current from Grid	0A, 14A,	17A, 20A	
Charging Stages	Boost, Abso	rption, Float	
Type of Battery	Tubular/	SMF/Flat	
INVERTER			
Switching Element	MOSFET		
Control	16 Bit DSP controlled		
Nominal Output Voltage (V)	230V ± 5%		
Output Supply Phase	1 Phase 2 Wire		
Nominal Frequency	50	Hz	
Nominal Output Current	7.5A	11A	
Output Voltage Distortion(THD)	<=	3%	
SYSTEM DATA			
Transfer Time	<20) mS	
Protection	Overload Mains Load, Overload on Battery, Reverse F	Polarity, Short Circuit, Over Temperature, Low Battery	
Display Parameters	UPS On, Battery Low, Mains On, Smart Charge/ Boos Over Temperature Protection, Short Circuit under Ba	t Charging, Battery Charged/ Float Charge, Overload, attery Mode, MCB Trip/ Short Circuit in Mains Mode	
Indications	UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode		
ENVIRONMENT			
IP Protection Level	IP20		
Operating Temperature	0-45 °C		
Storage Temperature	0-50°C		
Cooling	Forced Air Cooling		
Max. Relative Humidity @ 25 °C	Up to 95% (non-condensing)		
GENERAL			
Dimension (L*W*H) [mm]	396x300x270 300x432x429		
Net Weight (kg)	27.7kg	31.5kg	

Model Name	PCU PRO 5KVA
Capacity (kVA)	5kVA
Nominal Battery Voltage (Vdc)	48V
Output Waveform	Sinewave
SOLAR PHOTOVOLTAIC INPUT	
Type of Charger	MPPT
Maximum PV power	5000W
Solar Input Voltage (Voc)	130V-220V
Solar Input Voltage range (Vmp)	110V-180V
No. of MPPT Channels	1
GRID INPUT	
Input Supply Phase	Single Phase
Input Voltage Mains mode (Regulated UPS Mode)	180-260 Vac
Mains mode (Unregulated UPS Mode)	140V-280V
BATTERY	
No. of Batteries	4
Battery Charging Current from Solar	30A
Battery Charging Current from Grid	0A, 4A-20A (user settable)
Charging Stages	Boost, Absorption, Float
Type of Battery	Tubular/SMF/Flat
INVERTER	
Switching Element	MOSFET
Control	32 Bit DSP Controlled
Nominal Output Voltage (V)	230V±5%
Output Supply Phase	1 Phase 2 Wire
Nominal Frequency	50 Hz
Nominal Output Current	17.5A+/-1A
Output Voltage Distortion(THD)	<= 5%
SYSTEM DATA	
Transfer Time	<20 mS
Protection	Overload Mains Load, Overload on Battery, Reverse Polarity, Short Circuit, Over Temperature, Low Battery
Display Parameters	UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode
Indications	UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode
ENVIRONMENT	
IP Protection Level	IP20
Operating Temperature	0-45 °C
Storage Temperature	0-50°C
Cooling	Forced Air Cooling
Max. Relative Humidity @ 25 °C	Up to 95% (non-condensing)
GENERAL	
Dimension (L*W*H) [mm]	511x300x484
Net Weight (kg)	54 kg

Capacity (KM)7.5K/A10.1KVANormial Battery Voltage (Volc)96V120VSOLAR PHOTOVOLTALC INPUTSolar Input Voltage (Volc)7500W10000WSolar Input Voltage (Volc)250V-400V200V-400VSolar Input Voltage (Volc)250V-400V200V-400VSolar Input Voltage (Volc)200V-400V200V-400VSolar Input Voltage (Volc)200V-400V200V-400VNo. of MPPT Channels	Model Name	PCU MPPT 7.5KVA	PCU PRO 10.1KVA	
Nominal Battery Voltage (Vd) 96V 120V Output Woreform Insurance Insurance Solar Hord CONTAIC INPUT Insurance Insurance Solar Input Voltage (Voc) 250V-460V 250	Capacity (kVA)	7.5kVA 10.1kVA		
Output Waveform Sinewave SOLAR PHOTOVOLTALC INPUT Solar PhotOVOLTALC INPUT Maximun PV power 7500W 10000W Solar Input Voltage range (Vrop) 200V-400V 200V-400V Solar Input Voltage range (Vrop) 200V-400V 100V-30V Input Supply Phase Solar Input Voltage range (Vrop) 200V-400V Mains mode (Incegulated UPS Mode) 140V-32V V Battery Charging Current from Solar 8 10 Battery Charging Current from Solar 800st. Also-ption. Fonat Thype of States 10VERT R 10VERT R Switching Element GET + S 10VERT R Nominal Output Voltage (V) 220V + 5 ½ 20VIDU Supply Phase Ontput Voltage Voltage Carrent Rom 34A+/-1A 34A+/-1A Votput Voltage Voltag	Nominal Battery Voltage (Vdc)	96V 120V		
SOLAR PHOTOVOLTAIC INPUT Import Charger MPFT Type of Charger MPT Solar Input Voltage (Voc) 250V-400V 200V-400V Solar Input Voltage (Voc) 250V-400V 200V-400V Solar Input Voltage (Voc) 250V-400V 200V-400V Solar Input Voltage (Voc) 200V-400V 150V-320V Solar Input Voltage (Voc) 0 150V-320V GRID INPUT	Output Waveform	Sine	wave	
Type of Charger IM Maximur VV power 7500W 10000W Solar Input Voltage range (Vmp) 200V-400V 150V-320V Solar Input Voltage range (Vmp) 200V-400V 150V-320V Solar Input Voltage range (Vmp) 200V-400V 150V-320V Solar Input Voltage range (Vmp) 0 150V-320V Solar Input Voltage range (Vmp) 0 1 Maris mode (Regulated UPS Mode) 0 1 No. of Battery 140V-320V 10 Battery Charging Current from Solar 0 10 Battery Charging Current from Grid 0 0.4.4-20A User settabler Type of Battery Tubular/SMF/Flat 10 Norsinal Curtput Voltage (V) 230V ± 5 % 10 Norsinal Curput Voltage (V) 230V ± 5 % 10 Output Voltage (V) 230V ± 5 % 10 Norsinal Frequency 26A+/-1A 34A+/-1A Norsinal Curput Voltage (V) 26A+/-1A 34A+/-1A Output Voltage (V) 26A+/-1A 34A+/-1A Output Voltage (V) 0.4< 5 %	SOLAR PHOTOVOLTAIC INPUT			
Maximum PV power10000WSole input Voltage (voc)250v-400V200V-400VSole input Supple range (Vmp)200V-400V200V-400VNo. of MPPT ChannelsGRD NPUTInput Supply PhaseSingle PhaseInput Voltage Mains mode (Regulated UPS Mode)180-260 VacMains mode (Unregulated UPS Mode)180-260 VacMains mode (Unregulated UPS Mode)180-260 VacBattery Changing Current from Solar810Battery Changing Current from Solar0.4,4-20A Users estable)Changing StagesBoost, Absorption, FloatType of BatteryGBBTGBBTControlGBBTGBBTControlGBBT3444-1ASolarid Ut Voltage (V)200-25%GDULATEOutput Voltage (V)200-25%GDULATEOutput Voltage (V)200-25%GDULATENominal Otput Voltage (V)200-25% <td>Type of Charger</td> <td>MF</td> <td>PPT</td>	Type of Charger	MF	PPT	
Solar Input Voltage Yokc) 250V-400V 200V-400V Solar Input Voltage range (Vmp) 200V-400V 150V-320V Solar Input Voltage Yokch Channels.	Maximum PV power	7500W	10000W	
Solar Input Voltage range (Vmp) 200V-400V 150V-320V No. of NPPT Channels - GRID INPUT - Input Supply Phase - Input Supply Phase 1800-260 Vac Mains mode (Incregulated UPS Mode) 140V-280V BATTERY - No. of Batteries 8 10 Battery Charging Current from Grid 0A, AA-20A (user settable) Battery Charging Current from Grid 0A, AA-20A (user settable) Thype of Battery - Nove FRER - Switching Element GBT Control 280 Vac Nominal Fequency 34A+/1A Output Voltage DistortforTHD) <<5 V <td>Solar Input Voltage (Voc)</td> <td>250V-400V</td> <td>200V-400V</td>	Solar Input Voltage (Voc)	250V-400V	200V-400V	
No. of MPPT Channels I GRD INVIT I GRD INVIT I Input Voltage Mains mode (Regulated UPS Mode) 180-260 Vac Mains mode (Unregulated UPS Mode) 140V-280V BATTERY I No. of Batter/s 8 Battery Charging Current from Solar 30A Battery Charging Current from Solar 0A, 4A-20A (user settable) Charging Stages Boots.Absorption, Float Type of Battery Tubular/SMF/Flat INVERTER I Switching Element ICBT Control 32 Bit DSP Controlled Nominal Output Voltage (V) 230V ± 5% Output Subply Phase 1 Nominal Frequency 26 4+/1A Nominal Cutput Current 26 4+/1A Output Subply Distortion(THD) <	Solar Input Voltage range (Vmp)	200V-400V	150V-320V	
GRD INPUT Input Stopply Phase <	No. of MPPT Channels		1	
Input Supply Phase Single Phase Input Voltage Mains mode (Regulated UPS Mode) 140-260 Vac Mains mode (Unregulated UPS Mode) 140-260 Vac BATTERY No. of Batterics 8 10 Battery Charging Current from Solar 30A Battery Charging Current from Grid 0.4.4A-20A (user settable) Charging Stages Boost, Abs-option, Float Type of Battery Tubuar/SMF/Flat Norfall Current from Grid 0.4.4A-20A (user settable) Charging Stages Boost, Abs-option, Float Type of Battery Ibolary Stages Switching Element IGBT Control 32Bit DSP Controlled Nominal Output Voltage (N) 230V ± 5% Output Suppiy Phase 1Phase 2 Wire Nominal Output Current 26A+/-1A 34A+/-1A Output Voltage Distortion(THD) 4 5% SYSTEM DATA Stattery, Reverse Polarity, Short Circuit, Over Temperature, Low Battery Display Parameters UPS On, Battery Low, Mains On, Smart Charge / Boost, Charging, Battery Charged, Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/	GRID INPUT			
Input Voltage Mains mode (Regulated UPS Mode) 180-260 Vac Mains mode (Unregulated UPS Mode) 140V-280V BATTERY 0 Battery Charging Current from Solar 8 10 Battery Charging Current from Grid 00, 4.44-204 (urrent settable) 1 Charging Stages Boots, Abs-option, Float T Type of Battery 10 30.4 INVERTER INVERTER INVERTER Switching Element IGBT Control Control 32.04 ± 5% 0 Output Voltage (V) 230V ± 5% 0 Output Supply Phase 1 Phase 2 Wire 4.44-7.44 Nominal Fequency 34.4+/-1.4 34.4+/-1.4 Nominal Output Current 26.4+/-1.4 34.4+/-1.4 Output Voltage Distortion(THD) < < 5%	Input Supply Phase	Single	Phase	
Mains mode (Unregulated UPS Mode) IdV-28U BATTERY Id No. of Battery Charging Current from Solar ID Battery Charging Current from Grid ID Mominal Stages ID Type of Battery ID Switching Element ISB Control ISB ID SP: Controlled Nominal Output Voltage (V) ISB Output Supply Phase IPhase 2 Wire Nominal Output Voltage (V) ISB Output Supply Phase IAA+/-1A Output Supply Phase IPhase ZU ms Tansfer Time <quers< td=""> Ver Foon, Battery Low, Mains On, Smart Charge/ Boet Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Tip/ Shor</quers<>	Input Voltage Mains mode (Regulated UPS Mode)	180-2	60 Vac	
BATTERY Image: Statesy Charging Current from Solar 10 Battery Charging Current from Solar 30A Battery Charging Current from Solar 30A Battery Charging Current from Solar Boost, Absorption, Float Type of Battery Boost, Absorption, Float NVERTER Image: Stages Control GBIT Control 10 Nominal Frequency 10 Nominal Cutput Voltage (V) 200 Y ± 5% Output Supply Phase 10 + 32 Bit DSP Controlled Nominal Frequency 50 Hz Nominal Cutput Current 26A+/-1A 34A+/-1A Output Supply Phase 34A+/-1A 34A+/-1A Output Voltage Distorion(THD) <= 5	Mains mode (Unregulated UPS Mode)	140V-	-280V	
No. of Batteries 6 10 Battery Charging Current from Solar O.A. 4A-20A (user settable) Battery Charging Current from Grid O.A. 4A-20A (user settable) Charging Stages Boost, Abscrytion, Float Type of Battery IUbular/SMF/Flat INVERTER Surfacting Element Switching Element Control Control 230 /± 5% Output Voltage (V) 230 /± 5% Output Supply Phase 1 Phase 2 Wire Nominal Output Voltage (V) 230 /± 5% Output Supply Phase 1 Phase 2 Wire Nominal Frequency 230 /± 5% Output Current 246 /± /1A Output Current 246 /± /± /± /± /± /± /± /± /± /± /± /± /±	BATTERY			
Battery Charging Current from Solar SIA Battery Charging Current from Grid OA, 4A-20A (user settable) Charging Stages Boots, Absorption, Float Type of Battery Boots, Absorption, Float INVERTER INVERTER Switching Element IGBT Control 28 Bit DSP Controlled Nominal Output Voltage (V) 0.230V ± 5% Output Supply Phase 1Phase 2 Wire Nominal Output Current 26A+/-1A 34A+/-1A Output Supply Phase 34A+/-1A 34A+/-1A Output Voltage Distorion(THD) Centrol 34A+/-1A Output Voltage Distorion(THD) Centrol 34A+/-1A SYSTEM DATA 34A+/-1A 34A+/-1A Output Voltage Distorion(THD) Centrol 20 ms Protection Overload Mains Load, Overload on Battery, Reverse Polarity, Short Circuit, Over Temperature, Low Battery Display Parameters UPS On, Battery Low, Mains On, Smart Charge, Mode, MCB Trip/ Short Circuit in Mains Mode Indications UPS On, Battery Low, Mains On, Smart Charge, Need, MCB Trip/ Short Circuit in Mains Mode Forection UPS On, Battery Low, Mains On, Smart Ch	No. of Batteries	8	10	
Battery Charging Stages OA, 4A-20A (user settable) Charging Stages Boost, Absorption, Float Type of Battery INVERTER Switching Element IGBT Control 32 Bit DSP Controlled Nominal Output Voltage (V) CO.32 Bit DSP Controlled Nominal Output Supply Phase CO.32 Bit DSP Controlled Nominal Output Current 26A+/-1A Output Voltage Distortion(THD) <= 5*	Battery Charging Current from Solar	30	DA	
Charging Stages Boost, Absurption, Float Type of Battery Iubular/SMF/Flat INVERTER Iubular/SMF/Flat Switching Element IGBT Control 32 Bit DSP Controlled Nominal Output Voltage (V) 0.00000000000000000000000000000000000	Battery Charging Current from Grid	0A, 4A-20A (user settable)	
Type of Battery Tubular/SMF/Flat INVERTER I Switching Element IGB Soutching Element IGB Control 32 Bit DSP Controlled Nominal Output Voltage (V) 23 20 ± 5% Output Supply Phase IPA Nominal Output Voltage (V) 23 A4+/-1A Nominal Output Current 26 A4+/-1A Output Supply Phase 34 A+/-1A Output Voltage Distortion(THD) <5%	Charging Stages	Boost, Abso	rption, Float	
INVERTER Instant Control Switching Element IGBT Control 32 Bit DSP Controlled Nominal Output Voltage (V) 230 ± ± 5% Output Supply Phase 1 Phase 2 Wire Nominal Frequency 50 Hz Nominal Output Voltage Distortion(THD) 26A+/-1A 34A+/-1A Output Voltage Distortion(THD) <= 5%	Type of Battery	Tubular/S	SMF/Flat	
Switching Element IGBT Control 32 Bit DSP Controlled Nominal Output Voltage (V) 320V ± 5% Output Supply Phase 1Phase 2 Wire Nominal Prequency 50 Hz Nominal Output Outrent 2664+/-1A Output Voltage Distortion(THD) <= 5%	INVERTER			
Control 32 Bit DSP ⊂ontrolled Nominal Output Voltage (V) 230V±5% Output Supply Phase 1Phasz VIIr Nominal Frequency 0 Output Supply Phase 34A+/-1A Nominal Output Current 34A+/-1A Output Voltage Distortion(THD) <= 5x	Switching Element	IG	BT	
Nominal Output Voitage (V) 230 ↓ ± s Output Supply Phase 1 Phase ∠ Wire Nominal Frequency 0 Nominal Output Current 0 Output Voitage Distortion(THD) - SYSTEM DATA - Transfer Time - Protection Overload Mains Load, Overload on Battery, Reverse Varity, Short Circuit, Over Temperature, Low Battery Display Parameters UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode ENVIRONMENT UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode Protection Level UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode Operating Temperature - Operating Temperature - Operating Temperature - Operating Temperature - Storage Temperature - Max. Relative Humidity @ 25 °C Upto 95% GENERAL	Control	32 Bit DSP	Controlled	
Output Supply Phase 1 Phase 2 Wire Nominal Frequency 50 Hz Nominal Output Current 26A+/-1A 34A+/-1A Output Voltage Distortion(THD) <= 5%	Nominal Output Voltage (V)	230V ± 5%		
Nominal Frequency SUH2 Nominal Output Current 26A+/-1A 34A+/-1A Output Voltage Distortion(THD) <= 5%	Output Supply Phase	1 Phase 2 Wire		
Nominal Output Current 266+/-1A 344+/-1A Output Voltage Distortion(THD) <= 5%	Nominal Frequency	50	Hz	
Output Voltage Distortion(THD) <= 5%	Nominal Output Current	26A+/-1A	34A+/-1A	
SYSTEM DATA Image: Constraint of the system of the sy	Output Voltage Distortion(THD)	<=	5%	
Transfer Time <20 mS Protection Overload Mains Load, Overload on Battery, Reverse Polarity, Short Circuit, Over Temperature, Low Battery Display Parameters UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode Indications UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode ENVIRONMENT IP Protection Level IP2 Operating Temperature Out Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C Up to 95% (non-condensing) GENERAL Operating Temperature Dimension (I*W*H) [mm] 690x400x500 740x400x580 Net Weight (kg) 78 kg 101 kg	SYSTEM DATA			
Protection Overload Mains Load, Overload on Battery, Reverse Polarity, Short Circuit, Over Temperature, Low Battery Display Parameters UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode Indications UPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains Mode ENVIRONMENT IP Protection Level IP20 Operating Temperature 0-45 °C Storage Temperature 0-50°C Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C 0 Dimension (L*W*H) [mm] 690x400x500 740x400x580 Net Weight (kg) 78 kg 101 kg	Transfer Time	<20	mS	
Display ParametersUPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains ModeIndicationsUPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains ModeENVIRONMENTIP Protection LevelIP20Operating Temperature0-45 °CStorage Temperature0-50°CCoolingForced Air CoolingMax. Relative Humidity @ 25 °CUP 50% (non-condensing)GENERALDimension (L*W*H) [mm]690x400x500Net Weight (kg)78 kg101 kg	Protection	Overload Mains Load, Overload on Battery, Reverse F	Polarity, Short Circuit, Over Temperature, Low Battery	
IndicationsUPS On, Battery Low, Mains On, Smart Charge/ Boost Charging, Battery Charged/ Float Charge, Overload, Over Temperature Protection, Short Circuit under Battery Mode, MCB Trip/ Short Circuit in Mains ModeENVIRONMENTIP Protection LevelIP Protection LevelIP Protection LevelIP Operating TemperatureIP Operating Temperature <t< td=""><td>Display Parameters</td><td>UPS On, Battery Low, Mains On, Smart Charge/ Boos Over Temperature Protection, Short Circuit under Ba</td><td>st Charging, Battery Charged/ Float Charge, Overload, attery Mode, MCB Trip/ Short Circuit in Mains Mode</td></t<>	Display Parameters	UPS On, Battery Low, Mains On, Smart Charge/ Boos Over Temperature Protection, Short Circuit under Ba	st Charging, Battery Charged/ Float Charge, Overload, attery Mode, MCB Trip/ Short Circuit in Mains Mode	
ENVIRONMENT IP IP Protection Level IP20 Operating Temperature 0-45 °C Storage Temperature 0-50°C Storage Temperature 0-50°C Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C Up to 95% (nor-condensing) GENERAL	Indications	UPS On, Battery Low, Mains On, Smart Charge/ Boos Over Temperature Protection, Short Circuit under Ba	st Charging, Battery Charged/ Float Charge, Overload, attery Mode, MCB Trip/ Short Circuit in Mains Mode	
IP Protection Level IP20 Operating Temperature 0-45 °C Storage Temperature 0-50°C Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C 0 GENERAL	ENVIRONMENT			
Operating Temperature 0-45 ℃ Storage Temperature 0-50°C Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C 0 GENERAL	IP Protection Level	IP20		
Storage Temperature 0-50℃ Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C Opto 95% (non-condensing) GENERAL 740x400x500 Dimension (L*W*H) [mm] 690x400x500 740x400x580 Net Weight (kg) 78 kg 101 kg	Operating Temperature	0-45 °C		
Cooling Forced Air Cooling Max. Relative Humidity @ 25 °C Up to 95% (non-condensing) GENERAL Dimension (L*W*H) [mm] 690x400x500 740x400x580 Net Weight (kg) 78 kg 101 kg	Storage Temperature	0-50°C		
Max. Relative Humidity @ 25 °C Up to 95% (non-condensing) GENERAL Condension (L*W*H) [mm] 690x400x500 740x400x580 Dimension (L*W*H) [mm] 690x400x500 101 kg	Cooling	Forced Air Cooling		
GENERAL 690x400x500 740x400x580 Dimension (L*W*H) [mm] 690x400x500 740x400x580 Net Weight (kg) 78 kg 101 kg	Max. Relative Humidity @ 25 °C	Up to 95% (non-condensing)		
Dimension (L*W*H) [mm] 690x400x500 740x400x580 Net Weight (kg) 78 kg 101 kg	GENERAL			
Net Weight (kg) 78 kg 101 kg	Dimension (L*W*H) [mm]	690x400x500 740x400x580		
	Net Weight (kg)	78 kg	101 kg	







AMP 3575 from Amaze allows smart management of Solar Power, Grid Supply and Battery to deliver uninterrupted power for all electrical applications. Designed for high performance against the typically tough Indian grid conditions, AMP 3575 is available in 3kVA.



Solar Estimation Chart

Solution		Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)	
Solar Inverter	Solar Battery	PV Panel Watt		
AMP 3575 3KVA	150Ah x 4	550Wp x 4 Nos	2 (S) 2 (P)	120



Model Name		AMP 3575			
Nominal Battery Voltage (Vdc)	24V				
Capacity (VA)		2400VA			
Output Waveform		Sine Wave			
SOLAR PHOTOVOLTAIC INPUT		Sine Huve			
Charge Controller Type		PWM			
Charge Controller Rating		500			
Maximum PV Power		2200W/n			
Input Voltage range (Voc)		55//+5//			
GRID INPUT		334734			
Operating Voltage Range		90V-290V			
		707 2707			
No Lood Output		00014 - (- 4014			
No Load Output		230V +/- 10V			
Output frequency battery mode		50 Hz +/- 0.5Hz			
		>80%			
USER SELECTABLE SWITCHES					
Mode Selections		Solar/Solar+Grid/Grid+S	olar		
Battery Type Selections		Tubular/Flat Plate/VRL	A		
MAINS CHARGING CURRENT					
Solar Mode	0A*				
Solar + Grid Mode	10A±2A				
Grid + Solar Mode	15A±2A				
BATTERY					
No. of Batteries		2			
Battery Charging Current		0A,10A,15A			
Type of Battery Supported		Tubular/Flat Plate/SMF			
PROTECTIONS					
Overload		>100%			
Protections	Short circuit, Overload,	Over temperature, Low Ba	ttery, No Load Shutdown		
Indications	Mains Available, Solar Charging, G	rid Charging, Power Saving	, System On, Low Battery,	Overload	
DISPLAY INDICATIONS	LED INDICATIONS	;	LCD DIS	SPLAY	
System ON indication	System ON LED Steady		_		
Mains ON indication	ON Mains LED steady		_		
Charging ON indication	ON Mains LED steady + CHG. LED Ste	ady			
Low battery pre-alarm indication	System ON LED Steady + Battery Low	LED Blinking			
Low battery indication	Battery Low LED Steady		_		
Battery Charged Indication	ON Mains LED steady + CHG. LED Off	f			
Overload Indication	Overload LED Steady		Mains Availabl	le Power Saving	
Short circuit indication in UPS mode	Overload LED Blinking/(ON Mains & Overload LED Blinking/	erload LED) Blinking	Solar Current	Solar Power	
DC overload indication	ON Mains LED + Charge LED Blinking				
Thermistor Open/Short Indication	ON Mains LED & Overlaod LED Steady System On, Grid Charging,				
Output Feedback open/Reverse	ON Mains LED & Overlaod LED Blinkir	ng	No Load Shute	down	
Battery Charging Through Solar	Solar Charging LED Blinking			down	
Power Saving Mode	Power Saver Steady + Solar Chg. LED B	Blinking/Steady			
Battery Charging Through Solar + Mains	ON Mains LED + Charge LED Steady + Solar	Charging LED Blinking			
No Load Shutdown	System ON LED Blinking				
Solar Over Current	Solar Charging LED Blink Faster				
GENERAL					
Net Weight (Kg)		24.2 kg			
Gross weight (Kg)		25.7 kg			
Dimensions LxWxH (mm)		300x291x284mm	n		

Charge Controller

Easy upgrade to Solar





Amaze Charge controllers provide an easy upgrade to solar for existing users of DC loads.



Protection Against Over-Charge and Reverse Current



USB Port



1 Year Warranty

Solar Estimation Chart

Solution			Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)
Solar Charge Controller	DC Voltage	PV Panel Watt		
AMS SCC 1206	@12V	110Wp x 1 No.s	1 (S)	10
AMS SCC 1210	@12V	170Wp x 1 No.s	1 (S)	20
AMS SCC 1210	@24V	335Wp x 1 No.s	1 (S)	40
AMS SCC 1220	@12V	170Wp x 2 No.s	2 (P)	40
AMS SCC 1220	@24V	335Wp x 2 No.s	2 (P)	80



To should all Constitute at the set	
lechnical Specifications	

Model Name	AMS SCC 1206	AMS SCC 1210	AMS SCC 1220	
Charge Controller Type		PWM		
Charge Controller Rating	6A @ 12V	10A @ 12V / 24V	20A @ 12V / 24V	
Maximum PV Power	125Wp @ 12V	200Wp @ 12V/400Wp @ 24V	400Wp @ 12V/800Wp @ 24V	
Input Voltage range (Voc)	17-25	17-25 @ 12V,	36-50 @ 24V	
Input Voltage range (Vmp)	15-21	15-21 @ 12V,	31-39 @ 24V	
LOW VOLTAGE DISCONNECT				
A) By state of charge	N.A	Avai	lable	
B) Controlled by voltage		Available		
Self consumption		Less than 10mA		
EFFICIENCY:				
A) Charging	98.5	50%	96%	
B) Load	98	3%	96%	
Operating temperature range		0°C to 50°C		
Power connections		30 Ampere Terminal		
Battery type selection		Lead Acid & SMF		
Enclosure	ABS Plastic, IP21			
Dimensions (mm)	40 x 60 x 135 (L x W x H)			
Wire size	2.5 sq. mm	4 sq. mm	6 sq. mm	
Net weight	275 gms	300 gms	350 gms	

Solar Battery

Power of Performance





Amaze Solar Batteries are C10 rated deep cycle batteries specially designed for longer back up.



Model Name	Nominal Voltage	C10 Capacity	Length ±3	Width ±3	Height upto float top ±3	Dry Weight	Filled Weight	Electrolyte Volume ±5%
	V	Ah	mm	mm	mm	Kg	Kg	Litre
ASTT 12150L	12	150	502	191	440	34.5 (±3%)	60 (±3%)	20.6
ASTT 12150H	12	150	502	191	440	34.5 (±3%)	60 (±3%)	20.6
ASTT 12200L	12	200	502	191	440	40.5 (±5%)	67.5 (±5%)	21.8
ASTT 12200H	12	200	502	191	440	46.5 (±5%)	70.5 (±5%)	19.4

Technical specifications are subject tochange without prior notice.

Technical Specifications



AMS PRO series

With Proven MPPT Technology





AMS PRO is an intelligent solar inverter which comes with in-built MPPT technology helping in converting 30% more power from solar panels as compared to PWM charge controllers.



Solar Estimation Chart

Solution		Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)	
Solar Inverter	Solar Battery	PV Panel Watt		
AMS PRO 1KVA/12V	150Ah x 1	550Wp x 2 Nos	2 (P)	120
AMS PRO 1KVA/24V	150Ah x 2	550Wp x 2 Nos	2 (P)	120



Model Name	AMS PRO 1KVA/12V AMS PRO 1KVA/24V		
Nominal Battery Voltage (Vdc)	12V	24V	
Capacity (kVA)	1 k	۲۷۸	
Output Waveform	Pure Sir	ne Wave	
SOLAR PHOTOVOLTAIC INPUT			
Charge Controller Type	MP	РТ	
Maximum PV power	1000	Wp	
Input Voltage range (Voc)	35V-	55V	
GRID INPUT			
Operating Voltage Range	90V-2'	90V	
GRID OUTPUT			
No Load Output	230V +/	- 10V	
Output frequency battery mode	50 Hz +/-	0.5Hz	
Inverter Efficiency	>80	%	
USER SELECTABLE FROM FRONT SWITCH			
Mode Selections	Solar/Solar+Gri	d/Grid+Solar	
Battery Type Selections	Tubular/St	MF/Flat	
No Load Shutdown	Enable/D	visable	
MAINS CHARGING CURRENT			
Solar Mode	0A*	۶	
Solar + Grid Mode	15A±	2A	
Grid + Solar Mode	20A±	2A	
BATTERY			
No. of Batteries	1	2	
Battery Charging Current from Solar	30A±2	2A	
Battery Charging Current from Grid	0A/15A/	20A	
Type of Battery Supported	Tubular/SM	1F/Flat	
PROTECTIONS			
Overload	>1029	%	
Protections	Short circuit, Overload, Over temperatu	re, Low Battery, No Load Shutdown	
Alarms	Battery low pre-alarm, Battery low,	Short-circuit, Overload, Faults	
LCD DISPLAY			
LCD Display Messages	Mains Available, Power Saving, Solar Current,Solar Voltag Overload, No Lo	e, Solar Power, System On, Grid Charging, Low Battery oad Shutdown	
ENVIRONMENT			
Ambient operating temperature	0-45	°C	
Storage Temperature	0-509	°C	
Humidity	Upto 95%(Non-Condensed)		
Cooling system	Forced Cooling		
STANDARD COMPLIANCE			
Certifications	BIS certified as per IS/IEC standards		
GENERAL			
Net weight (Kg)	14.1 kg		
Gross weight (Kg)	15.5 k	g	
Dimensions LxWxH (mm)	356 X 320 X	138 mm	

GRID TIE INVERTERS

Perfect Blend of Safety and Efficiency





The AMi range from Amaze is available in single and three phase configurations. With best-in-class reliability and compliance to safety standards, the inverters are available in capacities from 3kW to 10kW.



*8 years standard + 2 years extended warranty

Solar Estimation Chart

Solution			Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)
GTI	PV Panel Watt	Number of MPPT		
AMI 3kW	550Wp x 8 No.s	1	8 (S)	480
AMI 5kW	550Wp x 12 No.s	2	12 (S)	720
AMI 10kW	550Wp x 26 No.s	2	26 (S)	1560



Main Supply

Single Phase

Model Name	AMI 130	AMI 150
Rated output power (kW)	3	5
Input DC		
Max. DC Input Power (kW)	4.5	7.5
Max. DC Input Voltage (V)	600	550
Start-up Voltage [V]	90	100
MPPT Voltage range (V)	80 - 500	90 - 550
Max input current per MPPT (A)	14A	16A/16A
Number of MPPT	1	2
Max Input Strings Number	1	2
Output (AC)		
Rated output power (kW)	3	4
Max. output power [kW]	3.3	4.4
Max. output Current [A]	15.7	21
Grid Frequency range (Hz)	50/60Hz	
Power Factor (at rated output power)	0.81 0.8	
Total harmonic distortion [THDi]	< 1.5%	
Feed-in phase/connection phase	Single Phase	
Efficiency		
Max. Efficiency	>97.2	>97.6
MPPT Efficiency	>9	9.5
Protection		
Inbuilt Protections	DC Reverse Polarity Protection, Short Circuit Protection, O/P Over Current Protection, O/P Over voltage protection, Insulation resistance monitoring, Residual current detection, surge protection, slanding Protection, Temperature Protection	
Interface		
DC Connection	MC4 Connectors	
Display	LCD 2X 20 Z	LED + Bluetooth App
Datalogger & Communication	RS485/GSM/Wifi* (Optional)	
General Data		
Тороlоду	Transformerless	
Consumption @ night	< 1 W	
Operating Temperature Range	-25°C to 60°C	
Cooling Method	Natural Convection	
Relative Humidity	0 - 100 %	
Max. Operational Altitude	4000m	
Noise [dBA]	<30dBA	
Designed Lifetime	> 20 years	
Ingress Protection	IP66	
Dimensions (W*H*D) (mm)	310W*373H*160D	310W *543H *160D
Net weight (Kg)	7.7	8.9
Standards		
Safety/EMC	BIS Certified as per IS/IEC standards	

 * Check availablity of GSM or wifi dongle before ordering.



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