THE QUALITY CHOICE
SINCE 1998
FOR ALL YOUR POWER NEEDS

POM POWER

SEAMLESS POWER
DAY & NIGHT

Li READY

BIS CERTIFIED



POMPOWER HB SERIES HYBRID INVERTERS

The complete Range Up to 1250 KW



Dear Reader,

Thank you for your remarkable support over our twenty-eight challenging years, during which we have provided high-quality power solutions tailored to the ever-changing needs of businesses and industries. From our advanced UPS systems, EV chargers, Solar Inverters, and Energy Storage Solutions, we have consistently prioritised innovation, reliability, and customer satisfaction.

Our goal is simple and clear: to keep your operations running seamlessly, irrespective of the Power problems. Whether safeguarding vital infrastructure or supporting your transition to new and alternative energy solutions, we are dedicated to providing solutions that meet your needs and surpass your expectations.

Thank you for considering POMPOWER as your trusted partner in power management. We look forward to supporting you.

Warm regards,

IB Rao
Managing Director
ibrao@pompower.in

POM POWER

POM BISI SERIES

Intelligent Battery Energy Storage System

IP65



- 120A — Up to 120A max Charging /Discharging Current
- Support Communication With Diesel Generator
- >10ms — UPS level Automatic Switching
- Support grid connected operation
- Flexible schedule the inverter charging and discharging time.
- Support plug and play expansion

TECHNICAL SPECIFICATION

PRODUCT MODEL	POM 501 HB
PV STRING INPUT DATA	
Recommended Max. PV Power	8 kW
Max. Input Voltage	580V
Rated Input Voltage	350V
Start-up Voltage	120V
MPPT Voltage Range	120-520V
Max, Input Current	20A
Max. Short Circuit Current	22.5A/22.5A
MPPT Number / String Number per MPPT	2/2
AC INPUT DATA	
Max. Input Power	10kW
Max. Apparent Input Power	10kVA
Max. Input Current	50A
Rated Input Voltage /Frequency	L/N/PE 220V/230V 50Hz/60Hz
BATTERY INPUT DATA	
Battery Voltage Range	42-58V
Max. Charging/Discharging Power	6kW
Max. Charging/Discharging Current	120A
Communications	RS485/CAN
BATTERY DATA	
Battery Type	Lithium Iron Phosphate
Battery Module Capacity	5.12kWh
Max. Number of Parallel Modules	4
Rated voltage	51.2V
Working voltage range	40-58.4V
Module Cycle Life	6000
Max. Charging/Discharging Current	120A
AC OUTPUT DATA	
Rated Output Power	6kW
Rated Output Current	27.3A
Max. Output Current	30A
Switching Time	<10ms
Rated Output Voltage/Frequency	L/NPE 220V/230V 50Hz/60Hz
Power Factor	0.8leading...0.8 lagging
THDv	<2%
THDi	<2%
GENERAL DATA	
Dimension (D*W*H)	610*436*257mm
Cooling Concept	Forced-air
Ingress Protection	IP65
Operating Ambient Temperature	-25°-+60°(>45derating)
Max. Operation Altitude	3000m

PAM POWER

POM HB SERIES

HYBRID SOLAR INVERTER

WALL MOUNTED TRANSFORMER FREE

Range : 2 KW to 10 KW (SINGLE PHASE)

IP21



- 120A — Maximum Charging & Discharging Current
- 20A — Extended MPPT Current
- Diesel Genset Compatible
- App Based Monitoring & Control
- 10ms — Best in Class Switching time
- Battery less Operation

TECHNICAL SPECIFICATION

MODEL	POM 201 HB	POM 301 HB	POM 401 HB	POM 501 HB	POM 601 HB	POM 701 HB	POM 801 HB	POM 1001 HB
INPUT								
Input Sources	L+N+PE							
Rated Input Voltage	220/230/240VAC±5%							
Frequency	50Hz/60Hz (Auto Adaptive)							
OUTPUT								
Rated Power	2000W	3000W	4000W	5000W	6000W	7000W	8000W	10000W
Output Voltage	220/230/240VAC±5%							
Output Frequency	50/60Hz±0.1%							
Waveform	Pure Sine Wave							
Transfer Time (Adjust)	Computers (UPS Mode) 10ms, Appliance (APL Mode)20ms							
Peak Power	4000VA	6000VA	8000VA	10000VA	12000VA	14000VA	16000VA	20000VA
GRID OPERATION								
Output Voltage	220/230/240VAC±5%							
Frequency Range	49-51±1Hz							
Nominal Output Current	8.7A	13A	17.4A	21.7A	26A	30.4A	34.8A	43.5A
Power Factor Range	>0.99							
Efficiency (DC/AC)	98%							
BATTERY								
Battery Voltage	24VDC					48VDC		
Constant Charging Voltage Adjustable)	28.2VDC					56.4VDC		
CHARGERS								
PV Charging Mode	MPPT						Dual MPPT	
MAX PV input Power	3500W	5000W	6500W	7500W	7500W	8500W	9600W	12000W
MPPT Tracking Range	60-500VDC						90-500VDC	
Best Voltage	300-400V							
MAX. PV Input Voltage	500VDC							
PV Max Input Current	20A			27A			18A/18A	
MAX PV Charging Current	100A		120A	100A	120A		150A	
MAX AC Charging Current	60A			100A			150A	
DISPLAY								
LCD Interface	CAN Display Running Mode/Load/Input/Output, etc							
INTERFACE								
Battery Interface	Lithium Battery BMS Communication Card, WIFI Card, Dry Contact							
ENVIRONMENTS								
Operating Temp	-10 - 50°C							
Humidity	20%-95% (Non-Condensing)							
Storage Temperature	-15 - 60°C							
Altitude	Altitude Not Over 1000m, Derating over 1000m, Max 4000m. Refer to IEC62040							
Noise	<50db							
Standards And Certification	EN-IEC 60335-1, EN IEC 60335-2-29, IEC 62109-1							

PAM POWER

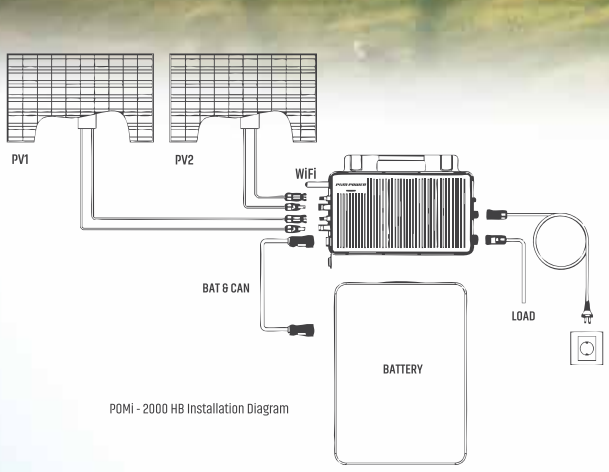
POMi SERIES

POMi - 1000 HB 2000 HB

Micro-Hybrid-Inverter

IP65





POMi - 2000 HB Installation Diagram



High Effciency | Wide Voltage Range | String Current Up to 20A | Rempte | High PV Voltage | Low Start Up Voltage

TECHNICAL SPECIFICATION

MODEL	POMi-1000 HB	POMi-2000 HB
PV INPUT		
Recommended PV Module /W	600 x 2	600 x 4
MPPT Voltage Range /V	22-55	
Startup Voltage /V	25	
Max. Input Voltage /V	60	
Max. DC Short Circuit Current /A	20 x 2	40 x 2
PV Overvoltage Protection Category	II	
AC OUTPUT(ON-GRID)		
Max. Continuous AC Output Power /VA	1000	2000
Rated AC Output Voltage /V	230	
Max. Continuous Output Current /A	4.35	8.69
Nominal Frequency /Hz	50/60	
Power Factor	-0.8~0.8	
THD @ rated power	<5% (at Rated Power)	
AC OUTPUT(OFF-GRID)		
Rated AC Output Voltage /V	230	
Rated AC Output Power /VA	1000	2000
Nominal Frequency /Hz	50/60	
Max AC Output Power /W	2000(Last for 20s)	3000(Last for 20s)
BATTERY		
Battery Type	LFP	
Battery Voltage/V	40-60	
PV Max Charge current /A	30	40
AC Charge rated power /W	1000	2000
Max Discharge power /W	1000	2000
OTHERS		
Operating Ambient Temperature Range /C	-40 ~ +65	
Communications	Wifi/ Blue Tooth	
Protection Class	IP65	
Cooling	Natural Convection	
UPS function	Yes	
OFF-Grid output parallel	4Pcs	

POM POWER

POM HB SERIES

OUTDOOR HYBRID INVERTER

WALL MOUNTED TRANSFORMER FREE

Range : 3 KW to 10 KW (SINGLE PHASE)

IP66



- 120A — Maximum Charging & Discharging Current
- 20A — Extended MPPT Current
- Diesel Genset Compatible
- 10ms — Best in Class Switching time
- Fanless Natural Heat Dissipation
- Parallel Upto 16 Units

TECHNICAL SPECIFICATION

Product Model	POM 301 66 1P	POM 401 66 1P	POM 501 66 1P	POM 601 66 1P	POM 801 66 1P	POM 1001 66 1P
INPUT DC(PV)						
Recommended Max.PV Power	5 KW	5.5 KW	8 KW	9 KW	12 KW	15 KW
Max.Input Voltage	580 V				500 V	
Rated Input Voltage	350 V				360 V	
MPPT Voltage Range	90-520 V		120-520 V		90-425 V	
Max.Input Current	20A/20A				44A/21A	
MPPT Number / Max.Input Strings Number	1				2/2	
INPUT / OUTPUT DC (BATTERY)						
Battery Type	Lead-acid/Li-ion					
Battery Voltage Range	42-58V				40-60 V	
Max.Charge / Discharge Power	3 KW	4 KW	5 KW	6 KW	8 KW	10 KW
Max.Charge / Discharge Current	72A	120 A	142A	190 A	208A	
OUTPUT AC						
Rated Output Power	3 KW	4KW	5 KW	6 KW	8 KW	10 KW
Rated Output Current	13.6A	16.4A	22.7A	27.3A	36.4A	45.5A
Switch Time of Grid-Connected and Off-Grid	<10ms					
Rated Grid Output Voltage / Frequency	L/N/PE 220V/230V 50HZ/60HZ					
Power Factor	>0.99 (0.8 leading.....0.8 lagging)					
THDv(@linear load)	<3%					
THDi	<2%					
INPUT AC						
Max. Apparent Input Power	3.3 KVA	4.6 KVA	5.5 KVA	6.6 KVA	8.8 KVA	11 KVA
Rated Input Current	13.6A	16.4A	22.7A	27.3A	36.4A	45.5A
Rated Grid Input Voltage / Frequency	L/N/PE 220V/230V 50HZ/60HZ					
EFFICIENCY						
Max. Efficiency	>97.5%					
STANDARD						
Safety	IEC 62109-1/-2					
EMC	IEC 61000-6-1/EN61000-6-3					
BASIC PARAMETERS						
Dimensions (W*H*D)	362mmx546mmx252mm				620mm x 350mm x 196mm	
Cooling Concept	Natural					Intelligent Air Cooled
Weight	21.5 Kg				25.7 Kg	
Degree of Protection	IP66					
Operating Ambient Temperature	-25-+60°C (>45 derating)					
Max. Operation Altitude	3000m					
Communication Mode	RS484/WIFI/GPRS/LAN					

POM POWER

POM HB LV SERIES

OUTDOOR HYBRID INVERTER

WALL MOUNTED TRANSFORMER FREE

Range : 8 KW to 20 KW (THREE PHASE)

IP66



- 50A — Maximum Charging & Discharging Current
- 20A — Extended MPPT Current
- Diesel Genset Compatible
- 10ms — Best in Class Switching time
- Fanless Natural Heat Dissipation
- Parallel Upto 16 Units

TECHNICAL SPECIFICATION

MODEL	POM 801 HBLV 3P	POM 1001 HBLV 3P	POM 1201 HBLV 3P	POM 1501 HBLV 3P	POM 2001 HBLV 3P
INPUT DC (PV)					
Recommended Max.PV Power	12KW	15KW	18KW	22.5KW	30KW
Max. Input Voltage			1000V		
Rated Input Voltage			620V		
MPPT Voltage Range			200-850V		
Continuous Input Current			26A/26A		
MPPT Number / Max. Input Strings Number			2/2		
BATTERIES					
Input / Output DC (Battery)			Lead-Acid/Li-ion		
Battery Voltage Range			42-58V		
Max. Charge/Discharge Power	8kW	10kW	12kW	15KW	20kW
Max. Charge/Discharge Current			30A		
Communication Mode			RS485/CAN		
Charging Curve			Three-Paragraph		
AC (OFF GRID)					
Max. Output Power	8KW	10KW	12KW	15KW	20KW
Switch Time of Grid-Connected And Off-Grid			<10ms		
THDI			< 2% (Linear Load)		
AC (ON GRID)					
Rated Output Power	8KW	10KW	12KW	15KW	20KW
Rated Output Current	12.1A	15.2A	18.2A	25A	33.3A
Rated Grid Output Voltage			3L/N/PE, 380V/400V		
Rated Grid Output Frequency			50HZ/60HZ		
Max. Output Current			20A		
Max. Input Current			20A		
Power Factor			> 0.99(0.8 Leading 0.8 Lagging)		
THDI			<2% (Full Load)		
EFFICIENCY					
Max. Efficiency			>98.1%		
STANDARD					
Safety			IEC62109-1/-2		
EMC			EN61000-6-1/EN61000-6-3		
BASIC PARAMETERS					
Dimensions (W*H*D)			556mmx482mmx196mm		
Cooling Concept			Natural		
Weight			27.5kg		
Degree of Protection			IP66		
Operating Ambient Temperature			-25°C-60°C (>45 derating)		
Max. Operation Altitude			3000m		
Communication Mode			RS485/WIFI/GPRS/LAN		

POM POWER

POM HB HV SERIES

OUTDOOR HYBRID INVERTER

WALL MOUNTED TRANSFORMER FREE

Range : 8 KW to 20 KW (THREE PHASE)

IP66



- 50A — Maximum Charging & Discharging Current
- 18A — Extended MPPT Current
- Diesel Genset Compatible
- 10ms — Best in Class Switching time
- Fanless Natural Heat Dissipation
- Parallel Upto 16 Units

TECHNICAL SPECIFICATION

MODEL	POM 801 HB66 3P	POM 1001 HB6 3P	POM 1201 HB6 3P	POM 1501 HB6 3P	POM 2001 HB6 3P
INPUT DC (PV)					
Recommended Max.PV Power	12KW	15KW	18KW	22.5KW	30KW
Max. Input Voltage			1000V		
Rated Input Voltage			620V		
MPPT Voltage Range			200-850V		
Continuous Input Current			26A/26A		
MPPT Number / Max. Input Strings Number			2/2		
BATTERIES					
Input / Output DC (Battery)			Lead-Acid/Li-ion		
Battery Voltage Range			160-800V		
Max. Charge/Discharge Power	8kW	10kW	12kW	15KW	20kW
Max. Charge/Discharge Current			50A		
Communication Mode			RS485/CAN		
Charging Curve			Three-Paragraph		
AC (OFF GRID)					
Max. Output Power	8KW	10KW	12KW	15KW	20KW
Switch Time of Grid-Connected And Off-Grid			<10ms		
THDI			< 2% (Linear Load)		
AC (ON GRID)					
Rated Output Power	8KW	10KW	12KW	15KW	20KW
Rated Output Current	12.1A	15.2A	18.2A	25A	33.3A
Rated Grid Output Voltage			3L/N/PE, 380V/400V		
Rated Grid Output Frequency			50HZ/60HZ		
Max. Output Current	13.4A	16.7A	20A	25A	33.3A
Max. Input Current	13.4A	16.7A	20A	25A	33.3A
Power Factor			> 0.99(0.8 Leading 0.8 Lagging)		
THDI			<2% (Full Load)		
EFFICIENCY					
Max. Efficiency			>97.5%		
STANDARD					
Safety			IEC62109-1/-2		
EMC			EN61000-6-1/EN61000-6-3		
BASIC PARAMETERS					
Dimensions (W*H*D)		567mmx497mmx237mm		554mmx526mmx206mm	
Cooling Concept			Natural		
Weight		27.5kg	29kg	31.6kg	
Degree of Protection			IP66		
Operating Ambient Temperature			-25°C-60°C (>45 derating)		
Max. Operation Altitude			3000m		
Communication Mode			RS485/WIFI/GPRS/LAN		

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POM HB 66 SERIES

OUTDOOR HYBRID INVERTER

WALL MOUNTED TRANSFORMER FREE

Range : 25 KW to 50 KW (THREE PHASE)

IP66



- 50A — Maximum Charging & Discharging Current
- 18A — Extended MPPT Current
- Diesel Genset Compatible
- 10ms — Best in Class Switching time
- Fanless Natural Heat Dissipation
- Parallel Upto 16 Units

TECHNICAL SPECIFICATION

MODEL	POM 2501 HB 66 3P	POM 3001 HB 66 3P	POM 3301 HB 66 3P	POM 4001 HB 66 3P	POM 5001 HB 66 3P
INPUT DC (PV)					
Recommended Max.PV Power	37.5KW	45KW	49.5KW	52KW	65KW
Max. Input Voltage	1000V				
Rated Input Voltage	620V				
MPPT Voltage Range	160-800V				
Continuous Input Current	32A/32A			36A/36A	
MPPT Number / Max. Input Strings Number	4/2				
BATTERIES					
Input / Output DC (Battery)	Lead-Acid/Li-ion				
Battery Voltage Range	160-800V				
Max. Charge/Discharge Power	25KW	30KW	33KW	40KW	50KW
Max. Charge/Discharge Current	50A				
Charging curve	Three-Paragraph				
AC (OFF GRID)					
Max. Output Power	25KW	30KW	33KW	40KW	50KW
Switch Time of Grid-Connected and Off-Grid	<10ms				
THDI	< 2% (Linear Load)				
AC (ON GRID)					
Rated Output Power	25KW	30KW	33KW	40KW	50KW
Rated Output Current	36.3A	43.5A	49.5A	58A	72.5A
Rated Grid Output Voltage	3L/N/PE, 380V/400V				
Rated Grid Output Frequency	50HZ/60HZ				
Max. Output Current	39.9A	47.9A	52.6A	63.8A	79.7A
Max. Input Current	39.9A	47.9A	52.6A	63.8A	79.7A
Power Factor	> 0.99(0.8 Leading 0.8 Lagging)				
THDI	<3% (Full Load)				
EFFICIENCY					
Max. Efficiency	>98.2%				
STANDARD					
Safety	IEC62109-1/-2				
EMC	EN61000-6-1/EN61000-6-3				
BASIC PARAMETERS					
Dimensions (W*H*D)	640mmx490mmx290mm			940mmx595mmx340mm	
Cooling Concept	Natural				
Weight	48kg			55 Kg	
Degree Of Protection	IP66				
Operating Ambient Temperature	-25°C-60°C (>45 derating)				
Max. Operation Altitude	3000m				
Communication Mode	RS485/WIFI/GPRS/LAN				

PAM POWER

POM HB 66 SERIES

OUTDOOR HYBRID INVERTER

WALL MOUNTED TRANSFORMER FREE

Range : 60 KW to 125 KW (THREE PHASE)

IP66



- 50A — Maximum Charging & Discharging Current
- 18A — Extended MPPT Current
- Diesel Genset Compatible
- 10ms — Best in Class Switching time
- Fanless Natural Heat Dissipation
- Parallel Upto 16 Units

TECHNICAL SPECIFICATION

MODEL	POM 6001 HB 66 3P	POM 12001 HB 66 3P
INPUT DC (PV)		
Max. PV Power	100KW	250KW
Max. Input Voltage	1000V	
Start-Up Voltage	180V	
MPPT Voltage Range	150~950V	
Max. Input Current	4*42A	10*42A
Max.Input Short-Circuit Current	4*60A	10*60A
MPPT Number/ Input Strings Number	4/8	10/20
BATTERIES		
Battery Type	LFP	LFP
Battery Voltage Range	168~950V	224~950V
Battery Starting Voltage	150~950V	200V
Max.Charge/Discharge Current	100A*2	160A*2
Number of Battery Ports	2	2
AC OUTPUT (ON GRID)		
Rated Output Power	60KW	125KW
Max. Apparent Output Power	66KVA	137KVA
Rated Grid Voltage	3/N/PE,230V/400V	
Rated Grid Frequency	50/60Hz	
Rated Grid Output Current	87A	180A
Power Factor	>0.99	
THDi	<3%	
AC INPUT (OFF GRID)		
Max. Input Current	174A	253A
Rated Input Voltage	3/N/PE, 230V/400V, 50/60Hz	
AC OUTPUT (OFF GRID)		
Rated Output Power	60KW	125KW
Overload Capacity	110% Normal Operation; 120% For 1 Minute; 150% For 10 Seconds	
Rated Output Voltage	3/N/PE, 230V/400V, 50/60Hz	
Load Unbalance	100%	
Backup Switching Time	<10ms	
THDv	<3%	
GENERATOR INPUT		
Max. Input Power	60KW	125KW
Rated Input Current	87A	180A
EFFICIENCY		
MPPT Efficiency	99.9%	
Protective Function	Features Islanding Protection, AC Output Overcurrent Protection, AC Short-Circuit Protection, Integrated DC Switch, DC Reverse Connection Protection, And Leakage Current Detection	
BASIC PARAMETERS		
Topology	Non-Transformer	
Protection Level	IP66	
Cooling Mode	Smart Forced Air Cooling	
Operating Temperature Range	-30~60°C (Derating Above 45°C)	
Altitude	3000m (Derating Above 3000m)	
Dimensions (W*D*H)	650*750*290mm	1000*750*320mm
Weight (Approx)	70KG	120KG
Display	4.3"LCD Display + 3 LED Status Indicators + 4 Buttons	
Communication	CAN, RS485, Ethernet, Dry Contact, Optional: Wi-Fi, Bluetooth, 4G	

POM POWER

POM HB 54 SERIES

OUTDOOR HYBRID INVERTER

WALL MOUNTED TRANSFORMER FREE

RANGE: 5 KW & 10 KW

IP54



- 120A — Maximum Charging & Discharging Current
- 18A — Extended MPPT Current
- Diesel Genset Compatible
- 10ms — Best in Class Switching time
- Fanless Natural Heat Dissipation
- Parallel Upto 16 Units

TECHNICAL SPECIFICATION

MODEL	POM 6.5 HB 54	POM 11 HB 54
Capacity	**5000 W**	**10000W**
Parallel Capability	(Optional)	YES, 6 units
Lithium Battery Activation	YES	YES
Battery Wake-up Function	YES	YES
AC INPUT		
Nominal Voltage	230VAC	230VAC
Acceptable Voltage Range	170-280VAC(PC); 90-280VAC(Appliances)	170-280VAC(PC); 90-280VAC(Appliances)
Frequency	50/60 Hz (Auto sensing)	50/60 Hz (Auto sensing)
AC OUTPUT		
Nominal Voltage	220/230VAC±5%	220/230VAC±5%
Surge Power	12400VA	22000VA
Frequency	50/60 Hz	50/60 Hz
Waveform	Pure Sinewave	Pure Sinewave
Transfer Time	10ms(PC); 20ms(Appliances)	10ms(PC); 20ms(Appliances)
Peak Efficiency (PV to INV)	96%	96%
Peak Efficiency (Battery to INV)	93%	93%
Overload Protection	5s @>140%; 10s@100%-140%	5s @>140%; 10s@100%-140%
Crest Factor	03:01	03:01
Admissible Power Factor	0.6-1 (inductive or capacitive)	0.6-1 (inductive or capacitive)
BATTERY		
Battery Voltage	48Vdc	48Vdc
Floating Charge Voltage	54Vdc	54Vdc
OverCharge Protection	63Vdc	63Vdc
Charging Method	CC/CV	CC/CV
SOLAR & AC CHARGER		
Solar Charger TYPE	MPPT	MPPT
Max. PV Array Power	6200W	11000W (5500W*2)
Max. PV Array Open Circuit Voltage	500VDC	500VDC
PV Array MPPT Voltage Range	60VDC-500VDC	60VDC-500VDC
Max. Solar Input Current	27A	27A x 2
Max. Solar Charge Current	120A	160A
Max. AC Charge Current	120A	120A
Max. Charge Current (AC+PV)	120A	160A
PHYSICAL		
Dimensions (D x W x H mm)	441x334x125.5	567.8x470x134.5
Package Dimensions (D x W x H mm)	545x405x210	675x555x220
Net Weight (Kgs)	9	18
Gross Weight (Kgs)	10	19
Communication Interface	RS232 RS485	RS232 RS485 + Dry contact
ENVIORNMENT		
Operating Temperature Range	-10°C-55°C	-10°C-55°C
Storage Temperature	-15°C~60°C	-15°C~60°C
Humidity	5% to 95% RH (Non-condensing)	5% to 95% RH (Non-condensing)
Enclosure Protection	IP54	IP54

POM POWER

POM IP55 UPS

CUSTOM BUILT OUTDOOR TYPE

Range : 3 kVA to 120 kVA

IP55

FEATURES

- Customised Sizes and Enclosures
- Input/Output Isolation Transformers
- Bypass SCVS or ITx
- Modbus or RS-485 for SCADA Connectivity
- Advanced DSP & High Efficiency
- Flexible Power & Battery Configurations



OVERVIEW & INTRODUCTION

The POMPOWER IP55 UPS Series is engineered to deliver reliable, high-performance power protection in harsh, demanding industrial environments. Drawing from the proven reliability of the PPS TP and DHF SS series architecture, these robust online double-conversion systems are available in 3 kVA, 5 kVA, and 10 kVA capacities, supporting both single & three phase and 3 kVA to 120 kVA three-phase configurations. Featuring an enhanced IP55-rated protection enclosure, the series safeguards critical loads against dust, moisture, and particulate contamination, making it ideal for outdoor kiosks and rugged Solar power plant deployments.

TECHNICAL SPECIFICATION

Technical Parameter	Specification Details
Capacity Range	3 kVA / 5 kVA / 10 kVA/20 kVA Customisable As Required Up To 120 kVA
Operating Technology	Online Double-Conversion Digital Technology (DSP Controlled)
Phase Configuration	Single-Phase or Three-Phase Input
Input Voltage Range	Single-Phase: 170–280 VAC / Three-Phase: 320–480 VAC (With Linear Derating Options)
Input Frequency & PF	40–70 Hz Auto-sensing; Input Power Factor >= 0.99 (with APFC)
Output Voltage & Accuracy	Single-Phase or Three Phase Output; Regulation < +/- 1%
Output Waveform & PF	Pure Sinusoidal Waveform; Output Power Factor: 0.8 / 0.9 / 1.0 (Factory Settable)
Total Harmonic Distortion	<= 2% (Linear Load), <= 5% (Non-linear Load)
Overload Capacity	105%–125% for 10 min, 125%–150% for 1 min, >150% for 300 ms
DC Voltage	Flexible DC Bus (Default 36/72/96/192/384 VDC or Customisable configurations
Batteries	VRLA SMF, AGM, Li, Ni- cad
Transfer Time	0 ms (Mains to Battery Mode); <= 4 ms (Inverter to Bypass)
System Efficiency	Up to 95% in Normal Mode, up to 98% in ECO Mode
Protection & Safety	Short-Circuit, Overload, Over-Temperature Under/Over-Voltage, And Battery Low-Voltage Protection
Communication Ports	RS-232, RS-485 / Modbus for SCADA, Optional USB / SNMP / Dry Contacts
Enclosure & IP Rating	Rugged Industrial Cabinet, IP55 Rated (Dust and Water Jet Protection)
Operating Environment	Temperature: 0°C to 55°C; Relative Humidity: 0–95% (non-condensing)

OUR BRANCHES

NEW DELHI
F-128, Ground Floor & Second Floor
Room No. 203 Jhandu Mention Building
Mohammadpur Village New Delhi – 110066 ,
Mob . 9035679578

CHENNAI
#2, Muthaiyal Street, First Floor,
Little Mount Saidapet, Chennai - 600 015,
Mob: 9108992485.

TRIVANDRUM
TC 20/1361 (1), G Floor, Amal Plaza,
Kudapanakunnu P. O, Thiruvananthapuram - 695 043
Mob. 9035032567

COIMBATORE
Skyon, # 451, Ist Floor, Kamarajar Road,
Peelamedu Coimbatore – 641004,
Mob :9036180749

VISAKHAPATNAM
No : 50-27-17/4, Seethammadhara NE
NRI Hospital Road, Visakhapatnam – 530013,
Mob. 9902228907

HUBBALLI
Shop No. 03, Ground Floor, Sri Lakshmi Complex
Opp. Rotory School , Deshpande Nagar, Hubballi
Dharwad (Dist) Pin 580020, Mob. 9036180742

HYDERABAD
No: 64-9/2 and 6-4-9/2/A, Bholakpur
Secunderabad, Hyderabad - 500 080,
Mob. 9902231099

KOLKATA
D 2/2, Block EP & GP, Convergence
Contact Centre Sector 5, Bidhan Nagar,
Salt Lake, Kolkata, Mob: 9036180747

AHMEDABAD
A-413, Supath-2 Complex, near Regenta Hotel
Opp. Old Vadaj Bus Stop, Umanpura, Ashram Road
Ahmedabad-380013, Mob. 9036180746

ERNAKULAM
VRWA - 49 , 52 / 2898 A, Kooduthotty Behind
SBI Vytilla Branch, Maplassery Road,
Kochi-682019, Mob. 9035070283

PATNA
Near Shyama Villa Apartment, Road No 6
Rajapur Boring Road, Patna-800001,
Mob. 9606978032

TIRUPATI
No 16, Sri Nilayam, H No 15-191 Ground Floor
Dhanalakshmi Nagar Extn, Gandhipuram
Tirupati-517507 , Mob. 903503256

PUNE
Plot no P 81, D 2 Block, Behind Kabre
Hospital MIDC , Chinchawad, Pune - 411 038,
Mob . 9036180744

MUMBAI
No. 620, Marathon Max, Mulund Goregaon
Link Road, Mulund West, Mumbai - 400 080
Mob. 9035032568

LUCKNOW
451/6 Indira Nagar, A-Block Lucknow-226016
Mob. 9606978038

UDUPI
Door No -6-99 B-5 Manchi, 1st Cross Indrali
Alevoor Road, Udupi - 576104,
Mob. 9606978037

VIJAYAWADA
No : 39-9-42, SVS Temple Street,
Labbipet , Vijayawada - 520 010,
Mob. 9902228907

NOIDA
A321, Anthurium,Sector 73,
Noida, UP-201301
Mob: 9902226370

CHANDIGARH
05, Raipur Khurd, Behind Tribune Colony
Chandigarh-160003, Mob : 99022263705

Jaipur |Kannur | Kottayam | Mysore |Madurai | Belgaum | Ballari |Goa | Tiruchirappalli | Nagpur | Raipur |Indore
Bhopal | Gorakhpur | Varanasi | Bareilly | Ludhiana |Srinagar |Dehradun | Shimla | Surat | Rajkot | Nashik

PAM POWER

+91 9844 03 41 06 | +91 9035 01 0265

pompower@pompower.in www.pompower.in

NEW DELHI | CHENNAI | TRIVANDRUM | COIMBATORE | VISAKHAPATNAM | HUBBALLI
HYDERABAD | KOLKATA |AHMEDABAD | ERNAKULAM | PATNA | TIRUPATI | PUNE |MUMBAI | LUCKNOW
UDUPI | VIJAYAWADA |NOIDA | CHANDIGARH

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SYSTEMS & SERVICES PVT.LTD.

No. 75, 6th Main, 3rd Phase, Peenya Indl.Area,
Bangalore - 560 058

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