THE QUALITY CHOICE
SINCE 1998
FOR ALL YOUR POWER NEEDS

PAM POWER
www.pompower.in

UNINTERRUPTED
POWER SUPPLY
MODULAR | INDUSTRIAL | DATA CENTER





PAM POWER

www.pompower.in

IEC
CE
TÜVRheinland CERTIFIED
ISO 9001 : 2015
ISO 45001 : 2018
ISO 14001 : 2015
IS 16169 R 62005688
IS 16221 R 62005096
IS 16169 R 62005068
IS 16242 R 62005231
नवीन एवं नवीकरणीय ऊर्जा मंत्रालय
MINISTRY OF NEW AND RENEWABLE ENERGY

POM POWER

www.pompower.in

CONTENTS PAGE

MESSAGE	2
ABOUT US	3
PRODUCTS	
DHF SS SERIES	4-6
DHF RT SERIES	7-9
DHF TP SERIES	10-12
PPS TP SERIES	13-14
PPXs SERIES	15-17
PPXi SERIES	18-20
DRM SERIES	21-22
DIM SERIES	23-24
DRMS SERIES UPS	25-26
DMS SERIES	27-29
POM SV SERIES	30-31
POL SERIES LIFT UPS	32-33
PIT SERIES ISOLATION TRANSFORMER	34-35

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



ABOUT US.....

POM Systems & Services Pvt Ltd recognises the vital role of alternative energy sources in today's fast-paced, technology-driven world. Since its founding in 1998, Pom Power has established itself as a trusted provider of reliable, efficient Power Conversion Solutions for both residential and commercial sectors. Our reputation is built on a strong commitment to quality, technical expertise, and customer support.

Utilising cutting-edge technology, we enable seamless operations, enhance productivity, and provide peace of mind. As pioneers in the UPS industry, we see significant opportunities for developing energy efficient products. Embracing new technologies allows us to contribute towards making India greener, transforming industry challenges into avenues for growth.

Our nationwide team assists clients in reducing reliance on traditional energy sources, lowering their carbon footprints, and achieving long-term cost savings. In line with these trends, we focus more on developing new-age technologies such as Industrial Modular UPS systems integrated with Lithium Batteries. With these advanced technologies, we can now deliver UPS solutions up to 4800 kVA and offer extended backup options with Lithium Batteries, featuring an impressive 97% efficiency and 99.5% efficiency in iECO mode.



DHF SS SERIES UPS

RANGE:1 KVA- 20 KVA 1:1/3:1

SINGLE-PHASE OUTPUT

SOHO
EDUCATION
TRANSPORT
BPO
FINANCE
ANALYTICAL EQUIPMENTS
DATA CENTER



FEATURES

- Advanced DSP And 3-Level Technology
- Output Power Factor 1.0
- Active Power Factor Correction (APFC), Input Power Factor Up To 0.99
- High Efficiency 95% (Up To 98% In ECO Mode)
- Advanced Digital Parallel Technology
- Flexible Battery Configuration (Settable 16 - 20 PCS Batteries)
- Digitally Controlled Charger

The DHF Series 1 kVA to 20 kVA UPS system is a single-phase UPS that uses advanced technology for a dependable power supply. The DHF Series utilises high frequency online double conversion technology, providing stable output and protection against fluctuations. Controlled by Digital Signal Processing (DSP) for accuracy and efficiency, it includes active power factor correction (APFC), achieving an input power factor of up to 0.99. This reduces reactive power and enhances energy efficiency. The system offers output power factor options of 0.9 or 1.0 to meet different load needs. With a broad input voltage range and a frequency range of 40 to 70 Hz, along with auto-sensing and 50/60 Hz conversion, it adapts to various power environments. The "cold start" function allows activation without external power, which is essential in emergencies. Battery configurations are flexible, supporting 16 to 20 batteries with digitally controlled charging for optimal health.

TECHNICAL SPECIFICATIONS

Single Phase Input - Single Phase Output

MODEL	DHF 101	DHF 102	DHF 103	DHF 106	DHF 110
CAPACITY	1kVA / 1kW	2kVA / 2kW	3kVA / 3kW	6kVA / 6kW	10kVA / 10kW
INPUT					
Rated voltage	208 / 220 / 230 / 240 Vac				
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)				
Frequency	40 ~ 70 Hz (auto-sensing)				
Power factor	≥ 0.99				
Bypass voltage range	-25% ~ +15% (settable)				
Total harmonic distortion (THDi)	≤ 6%				
OUTPUT					
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)				
Voltage regulation	±1%				
Frequency	45 – 65 Hz (Synchronized Range); 50 / 60 Hz ± 0.1 Hz (Battery Mode)				
Waveform	Sinusoidal				
Power factor	0.8/ 0.9 / 1.0 (Factory Settable)				
Total harmonic distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)				
Crest factor	3:1				
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, >150% for 300 ms				
BATTERIES					
DC voltage	24V / 36V	48V / 72V	72V/96V	192VDC (192–240 VDC settable)	
Charging current (max)	6A		12A		
Recharge time	6–8 hrs (depends on battery capacity)				
SYSTEM					
Efficiency	≥ 90% (Normal), up to 99% (ECO Mode)				
Transfer time	Mains Mode To Battery Mode : 0 ms; Inverter Mode To Bypass Mode : 4 ms (Typical)				
Protections	Short-Circuit, Overload, Over Temperature, Battery Discharge, Fan Failure				
Communications	RS232 (Standard), USB / RS485 / Dry Contacts / SNMP (Optional)				
Display	LCD + LED				
Standards	IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3				
OTHERS					
Operating temperature	0°C ~ 50°C				
Storage temperature	-25°C ~ 70°C (without batteries)				
Relative humidity	0 ~ 95% (non-condensing)				
Altitude	≥1000 m, derating 1% for each additional 100 m				
IP rating	IP 20/21				
Noise level @1m	≤ 50 dB	≤ 55 dB		≤ 58 dB (10kVA)	
Dimensions (W×D×H) mm	144×417×216 / 191×495×350				
Net weight (kg)	4	6	8	14.5	16.5
Gross weight (kg)	5.5	7.5	9.5	16	18

TECHNICAL SPECIFICATIONS

Three Phase Input - Single Phase Output

MODEL	DHF310	DHF315	DHF320
CAPACITY	**10kVA /10KW**	**15kVA /15KW**	**20kVA /20KW**
INPUT			
Rated voltage	380 / 400 / 415 Vac		
Voltage range	190 – 305 Vac (linear derating between 50% and 100% load); 305 – 499 Vac (no derating)		
Rated Frequency	50 / 60 Hz (auto-sensing)		
Power factor	≥ 0.99		
Bypass voltage range	-40% ~ +15% (settable)		
Total harmonic distortion (THDi)	≤ 5%		
OUTPUT			
Rated Voltage	208 (P.F.=0.9) / 220 / 230 / 240 Vac		
Voltage regulation	± 1%		
Frequency	Synchronized to Bypass In Mains Mode; 50 / 60 Hz ± 0.1 Hz In Battery Mode		
Waveform	Sinusoidal		
Power factor	0.8/ 0.9 / 1.0 (Factory Settable)		
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 3% (non-linear load)		
Crest factor	3:1		
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
BATTERIES			
DC voltage	192 VDC (192 ~ 240 VDC settable)		
Charging current	1 – 5 A settable, 10 A (optional)		
Recharge time	8 - 10 Hours (Depends on Battery Capacity)		
SYSTEM			
Efficiency	≥ 94% at 100% load, Max. 95% at 60% load , ≥ 98% in ECO mode		
Transfer time	0 ms		
Protections	Short-Circuit, Overload, Over Temperature, Battery Low Voltage, Over Voltage, Undervoltage, Fan Failure		
Max. Number Of Parallel Connections	4		
Communications	RS232 (standard), USB / RS485 / Dry Contacts / SNMP / Battery Temperature Compensation (optional)		
Display	LCD + LED		
OTHERS			
Operating temperature	0°C ~ 50°C		
Storage temperature	-25°C ~ 70°C (without battery)		
Relative humidity	0 ~ 95% (non-condensing)		
Altitude	≥ 1000 m, derating 1% for each additional 100 m		
IP rating	IP 20/21		
Noise level at 1m	≤ 58 dB		
Dimensions (W×D×H) mm	191 × 495 × 350	191 × 495 × 515	
Net weight (kg)	18.5	26.5	
Gross weight (kg)	20	28	

DHF RT SERIES UPS

RANGE : 1 KVA - 20 KVA 1:1/3:1

Rack Mountable UPS



- SOHO
- EDUCATION
- TRANSPORT
- BPO
- FINANCE
- ANALYTICAL EQUIPMENTS
- DATA CENTER

FEATURES

- Advanced DSP And 3-Level Technology
- Output Power Factor 1.0
- Active Power Factor Correction (APFC), Input Power Factor Up To 0.99
- High Efficiency 95% (Up To 98% In ECO Mode)
- Flexible Battery Configuration
- Digitally Controlled Charger

The DHF RT Series rack-mounted UPS offers dependable backup power for essential equipment in space-constrained settings. Available in single-phase options (1-10 kVA) and three-phase options (10-20 kVA), the RT Series guarantees continuous operation of servers, networking gear, and data storage during power outages. Its compact design fits standard 19-inch racks, making it suitable for network closets, distribution frames, and small offices. DHF RT series provides effective surge protection, prolongs hardware lifespan, and supports remote management. Additionally, DHF RT Series reduces reactive power, improves energy efficiency, and ensures business continuity. Its flexible battery configurations support 16 to 20 batteries with digitally controlled charging to maintain optimal battery health.

TECHNICAL SPECIFICATIONS

Single Phase Input - Single Phase Output

MODEL	DHF RT 101	DHF RT 102	DHF RT 103	DHF RT 106	DHF RT 110
CAPACITY	**1 kVA / 1 kW**	**2 kVA / 2 kW**	**3 kVA / 3 kW**	**6kVA/6KW**	**10kVA/10KW**
INPUT					
Rated voltage	208 / 220 / 230 / 240 Vac				
Voltage range	180–280 Vac (no derating)		110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating)		
Frequency	50/60 Hz ± 5 Hz (auto-sensing)				
Power factor	≥ 0.99				
Bypass voltage range	0.4–1.0 (settable)				
Total harmonic distortion (THDi)	≤ 5%				
OUTPUT					
Rated Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)				
Voltage regulation	±1%				
Frequency	45–55 Hz or 55–65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)				
Waveform	Sinusoidal				
Power factor	1.0				
Total harmonic distortion (THDv)	≤ 2% (linear load), ≤ 4% (non-linear load), ≤ 5% (non-linear load)				
Crest factor	3:1				
Overload	105% ~ 110% for 30 min, 110% ~ 130% for 10 min, 130% ~ 150% for 30 s, >150% for 500 ms				
BATTERIES					
DC voltage	24V / 36V	48V / 72V	72V / 96V	192 Vdc (192–240 Vdc settable)	
Charging current	1–12A settable			Standard model: 1 A, Long time model: 5 A (default), 1–5 A settable, 12 A (optional)	
Recharge time	Standard model: 90% capacity restored in 8 hours Long time model: depends on capacity of battery				
SYSTEM					
Efficiency on Eco Mode	≥97.5%	≥98.5%	≥98.3%	≥98.5%	
Transfer time	0 ms				
Protections	Short-Circuit, Overload, Overtemperature, Battery Low Voltage, Over & Under Voltage and Fan Failure				
Max. Number of Parallel Connections	4				
Communications	RS232 (standard), USB / RS485 /Dry Contacts / SNMP /Battery Temperature Compensation (optional)				
Display	LCD +LED				
ENVIRONMENT					
Operating temperature	0–50°C				
Storage temperature	–25°C – +70°C (excluding batteries)				
Relative humidity	0 ~ 95% (non-condensing)				
Operation Altitude	≥1000 m; derating 1% for each additional 100 m				
IP rating	IP 20/21				
Noise level at 1m	≤50 dB		≤55 dB	≤ 58 dB	
OTHERS					
DIMENSIONS (W×D×H) mm	440×338×88			514 × 968 × 188	
Net weight (kg)	5.2	7.28	7.52	12	14
Gross weight (kg)	7.32	10	10.26	14	16

TECHNICAL SPECIFICATIONS

Three Phase Input - Single Phase Output

MODEL	DHF RT 3110	DHF RT 3115	DHF RT 3120
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW
INPUT			
Rated voltage	380 / 400 / 415 Vac		
Voltage range	190 ~ 304 Vac (linear derating between 50% and 100% load); 304 ~ 478 Vac (no derating)		
Rated Frequency	50 / 60 Hz (auto-sensing)		
Power factor	≥ 0.99		
Bypass voltage range	-40% ~ +15% (settable)		
Total harmonic distortion (THDi)	≤ 5%		
OUTPUT			
Rated Voltage	208 (PF=0.9) / 220 / 230 / 240 Vac		
Voltage regulation	± 1%		
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1 Hz in battery mode		
Waveform	Sinusoidal		
Power factor	1.0		
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 3% (non-linear load)		
Crest factor	3:1		
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
BATTERIES			
DC voltage	192 Vdc (192 ~ 240 Vdc settable)		
No. of Battery	16 pcs (16 ~ 20 settable)		
Charging current	10 A		
SYSTEM			
Efficiency	≥ 95% at Mains, ≥ 98% in ECO mode		
Transfer time	0 ms		
Protections	Short-Circuit, Overload, Overtemperature, Battery Low Voltage, Overvoltage, Undervoltage and Fan Failure		
Max. Number of Parallel Connections	4		
Communications	RS232 (Standard), USB / RS485 / Dry Contacts / SNMP / Battery Temperature Compensation (Optional)		
Display	LCD + LED		
OTHERS			
Operating temperature	0°C ~ 50°C		
Storage temperature	-25°C ~ 70°C (without battery)		
Relative humidity	0 ~ 95% (non-condensing)		
Altitude	≥ 1000 m, derating 1% for each additional 100 m		
IP rating	IP 20/21		
Noise level at 1m	≤ 58 dB		
DIMENSIONS (W×D×H) mm	440 × 650× 88	440 × 780× 132	
Net weight (kg)	17	25.5	
Gross weight (kg)	19	28	

POM POWER
www.pompower.in

DHF TP SERIES

RANGE : 10 KVA - 200 KVA (1 : 1, 3 : 1, 3:3)

Unity Powerfactor
Transformerless Design

MEDICAL
INDUSTRY
TRANSPORT
EMERGENCY
FINANCE
DATA CENTER



READY

FEATURES

- Advanced Dual-Core DSP Control
- Digital Paralleling for Enhanced System Performance.
- High-Efficiency Power Management
- 0.99 Power Factor, 98.5% Eco Mode Efficiency.
- Flexible, User-Friendly Interface
- Powerful Software for Parameter Configuration
- Intelligent Protection Features for Batteries and Hardware

The DHF TP 3-phase UPS series, ranging from 10 to 200 kVA, revolutionises power backup solutions with its transformerless design tailored for efficiency, spac saving, and cost-effectiveness. DHF series incorporates advanced high frequency online double conversion technology, coupled with dual-core DSP control and 3 level technology. Active power factor correction (APFC) and overall efficiency of up to 97% ensure a significant stride in energy savings. Supporting 32 to 40 battery units with a digitally managed charger, the DHF UPS provide extended runtime and reliable start up even during power outages with cold start capability. The system's output power factor of 1.0 and dual-input design with independent bypass functions further enhance flexibility and redundancy, making it suitable for critical Applications.

TECHNICAL SPECIFICATIONS

Single Phase Input - Single Phase Output
Three Phase Input - Single Phase Output
Three Phase Input - Three Phase Output

MODEL	DHF 3310	DHF 3315	DHF 3320	DHF 3330	DHF 3340	DHF 3360
POWER RATING	**10kVA/10kW**	**15kVA/15kW**	**20kVA/20kW**	**30kVA/30kW**	**40kVA/40kW**	**60kVA/60kW**
INPUT						
Rated Voltage	220/230/240V (L+N+PE), 380/400/415V (3Φ+ N + PE)					
Voltage Range	132 VAC 275 VAC (L-N) 230 V AC 480 VAC					
Rated Frequency	50/60Hz					
Power Factor	> 0.99					
Bypass Voltage Range	-40% -+25% (Selectable)					
Input Current THDi	< 3% (linear load)					
OUTPUT						
Rated Voltage	220/230/240V (L+N), 380/400/415V (30 + N + PE)					
Voltage Precision	±1% (linear load)					
Frequency	Synchronized with utility in mains mode, 50/60 Hz ± 0.1 Hz in battery mode					
Waveform	Sinusoidal					
Power Factor	1.0					
Total Harmonic Distortion (THDv)	<1% (full linear load), <3% (full non-linear load per IEC/EN62040-3)					
Crest Factor	3:1					
Overload	<110%, 60min; <125%, 10min; <150%, 1min; >150%, 200ms					
BATTERIES						
DC Voltage	382 VDC to 480 VDC (selectable, 32~40 pcs)					
Charging Current	10A Max.		15A Max		20A Max.	
SYSTEM						
Display	5 inches touch screen					
Efficiency	Up to 96%					
Protections	Short-Circuit, Overload, Overtemperature, Battery Low Voltage, Overvoltage, Undervoltage And Fan Failure					
Transfer Time	0 ms					
Max. Parallel Connections	6					
Interface	Standard RS232, RS485, USB, Battery Cold Start Optional: Programmable Dry Contact, SNMP, Parallel Kit					
ENVIRONMENT						
Operating Temperature	0°C to 50°C					
Storage Temperature	-40°C to 70°C					
Relative Humidity	0 – 95% (non-condensing)					
Altitude	≥1000m, derated 1% per 100m if >1000m					
Noise Level	58dB Max.				62dB Max.	
OTHERS						
Dimensions (W x D x H) mm	250 × 720 × 560	250x800x700		250x840x930	250x720x560	250x790x560
Net Weight (kg)	31	33	33	42	42	48
Gross Weight (kg)	40	42	42	52	52	58

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	DHF 3380	DHF 33100	DHF 33120	DHF 33160	DHF 33200
POWER RATING	**80kVA/80kW**	**100kVA/100kW**	**120kVA/120kW**	**160kVA/160kW**	**200kVA/200kW**
INPUT					
Rated Voltage	380/400/415 Vac (3 Ø +N +PE)				
Voltage Range	300 VAC to 480 VAC full load, 230VAC to 300 VAC, load decrease linearly according to the min phase voltage				
Rated Frequency	50/60Hz				
Power Factor	> 0.99				
Bypass Voltage Range	Selectable, default: -20% ~ +15% Upper limit: +10%, +15%, +25%; Lower Limit: -10%, -15%, -20%, -30%, -40%				
Input Current THDi	< 3% (linear load)				
OUTPUT					
Rated Voltage	380/400/415Vac (3 Ø + N + PE)				
Voltage Precision	±1% (linear load)				
Frequency	Synchronized with utility in mains mode, 50/60 Hz ± 0.1 Hz in battery mode				
Waveform	Sinusoidal				
Power Factor	1.0				
Total Harmonic Distortion	<1% (full linear load), <3% (full non-linear load per IEC/EN62040-3)				
Crest Factor	3:1				
Overload	<110%, 60min; <125%, 10min; <150%, 1min; >150%, 200ms				
BATTERIES					
DC Voltage	384 VDC to 480 VDC (selectable, 32 to 40 pcs)				
Charging Current	30A	40A		60A	
Charging Voltage Precision	<1%				
SYSTEM					
Display	5-inch touch screen			7-inch touch screen	
Efficiency	96%				
Protections	Short-Circuit, Overload, Overtemperature, Battery Low Voltage, Overvoltage, Undervoltage And Fan Failure				
Transfer Time	0 ms				
Interface	Standard: RS232, RS485, USB, Battery Cold Start Optional: SNMP, Programmable Dry Contact, Parallel Kit				
ENVIRONMENT					
Operating Temperature	0°C to 50°C				
Storage Temperature	-40°C to 70°C				
Relative Humidity	0 – 95% (non-condensing)				
Altitude	≥1000m, derated 1% per 100m if >1000m				
Noise Level	< 70dB				
OTHERS					
Dimensions (W x D x H) mm	360 x 800 x 1200	360 x 850 x 1200		410 x 850 x 1250	
Net Weight (kg)	152	156	160	194	200
Gross Weight (kg)	172	180	180	214	220

PPS TP SERIES

Range: 5 kVA to 20 kVA (3:1)

Single Phase UPS SYSTEM
Transformer Based

MEDICAL

INDUSTRY

TRANSPORT

EMERGENCY



LI READY

BIS CERTIFIED

FEATURES

- True Double-Conversion
- Eco Mode Operation For Energy Saving (ECO)
- DSP Technology Guarantees High Performance
- Emergency Power Off Function (EPO)
- Generator Compatible
- Output Power Factor 0.9
- SNMP+USB+RS-232 Multiple Communications
- Wide Input Voltage Range
- Active Power Factor Correction In All Phases

The PPS TP Series UPS are basically used for single-phase Industrial loads and SOHO applications. PPS TP uses an AC-DC-AC converter with a three-phase full bridge rectifier to convert AC input into a steady DC bus voltage, serving as both a charger and power source. It switches to bypass if the major and bypass circuits are from different sources; otherwise, it uses the bypass during normal operation. In case of AC failure, the battery powers the UPS until the voltage drops below a cut-off. PPS TP have customizable DC Bus as per requirement. Featuring dual DSP control, advanced digital technology, and intelligent design, the series offers high reliability, network management, and a user-friendly interface, ensuring safety and maintainability.

TECHNICAL SPECIFICATIONS

Three Phase Input - Single Phase Output

MODEL	PPS TP 305	PPS TP 306	PPS TP 3010	PPS TP 3015	PPS TP 3020
CAPACITY	**5KVA**	**6 KVA**	**10KVA**	**15 KVA**	**20 KVA**
INPUT					
Nominal Voltage	230 V/ 400 V				
Voltage Range	160 V- 270 V / 320 V - 480 V				
Frequency Range	46 Hz to 54 Hz				
Phase	Single/ Three				
Power Factor	> 0.99				
DC Bus	120 V - 240 V (Customisable)				
OUTPUT					
Output Voltage	220V / 230V / 240 VAC				
Voltage Regulation	± 1%				
Frequency (Synchronized Range)	46 Hz - 54 Hz				
Frequency (Battery Mode)	50 Hz ± 0.1%				
Output Waveform	Pure Sinewave				
Harmonic Distortion (THD)	<2 % (Linear Load) , <3 % THD (Non-Linear Load)				
Efficiency (AC — AC)	>92%				
Power Factor	0.8 (0.9 to Unity available optionally)				
Crest Factor	3:1				
Battery Type	Sealed Lead Acid Maintenance Free/ Lead Acid Tubular/ Ni-cad				
Backup Time	15 min to 240 min				
Transfer Time	0 ms				
Overload	10% for 60 Minutes, 125% for 10 Minutes, 150% for 1 Minute				
ENVIRONMENT					
Audible Noise Level	<50 dB @1 Meter				
Operating Temperature	0 - 50°C				
Relative Humidity	0-95% (Non Condensing)				
GENERAL					
Indications	Mains ON, Inverter ON / Faulty, Battery Level, Static Bypass ON, Load Level				
Display	LCD For Input & Output Voltage, Input & Output Frequency, Battery Voltage Battery Level Bar Graph, Load %, Self Test, Temperature Etc				
Audible Alarm	Mains Failure, Bypass Failure, Charger Failure, Low Battery, Battery Over Charging, Overload Pre- Warning, Overload Fault, Fan Failure Etc.				

PPXs SERIES

Range: 10 kVA to 500 kVA (3:3)

Industrial & Commercial Applications
Built- In Transformer Design

MEDICAL
INDUSTRY
TRANSPORT
EMERGENCY
EDUCATION



Li READY

FEATURES

- Online double-conversion with full DSP control
- 100% unbalanced load capacity
- Generator compatible, supports battery cold start and auto-restart
- 5-Inch or 7-inch LCD touch screen, user-friendly man-machine interface
- Front access simplifies maintenance and replacement (160 to 500 kVA)
- Standard emergency power off (EPO), RS 232, RS 485, dry contacts communication ports

The PPXs Series UPS is available in capacities ranging from 10 to 500 kVA and includes an integrated isolation transformer to meet a wide variety of load requirements. The PPXs Series UPS features advanced dual-DSP control technology, modern interfaces such as an optional digital touch screen, and versatile applications suitable for both IT and industrial environments. Designed for rugged use, each UPS manages unbalanced loads from 0 to 100%. It offers various configuration options with accessories like USG and HSB to enhance system resilience. The UPS employs smart battery management for optimal performance and longer lifespan, ensuring reliable power during outages. Flexibility also extends to the DC BUS, operating from 360 to 384 VDC.

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	PPXs 10	PPXs 15	PPXs 20	PPXs 30	PPXs 40	PPXs 60	PPXs 80	PPXs 100	PPXs 120
CAPACITY	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA
INPUT									
Rated Voltage	380 / 400 / 415 VAC								
Voltage Range	320 V - 480 V (full load)								
Rated Frequency	50 /60 Hz								
Delayed start of rectifier	10s (1 ~ 300 settable)								
Bypass voltage range	± 20% (settable)								
OUTPUT									
Rated Voltage	380 / 400 / 415 VAC								
Output Voltage Regulation	± 1%								
Output Frequency Regulation	50 /60 Hz ± 0.1% in battery mode								
Waveform	Sinusoidal								
Power Factor	0.8/0.9 Factory Settable								
Voltage Distortion (THDv)	≤ 1% (linear load),≤ 5% (non - linear load)								
Crest Factor	3:1								
Overload	105%~110% for 60 min, 110%~125% for 10 min, 150% for 1 min								
DC INPUT									
DC Voltage	Lead acid battery: 360 - 384 VDC								
Number of Batteries	12 V 30 Pcs (Support 32~32 Pcs)/ 2V 180 Pcs (support 168~414 Pcs)								
Charging Current	Settable As per Battery Type								
SYSTEM									
Efficiency	Up to 94.5%; ECO mode: ≥ 98%								
Max. number of parallel connections	6								
Protections	Short-Circuit, Overload, Overvoltage, Undervoltage. Low Battery, Overtemperature, Fan Failure								
Communications	Standard Configuration: RS232/RS485/Dry Contacts SNMP Card, Temperature Compensation, SMS Alarms								
Display	7 Inches LCD Touch Screen + LED								
OTHERS									
Operating temperature	0 - 50°C								
Storage temperature	-25°C - 70°C (without batteries)								
Relative humidity	0 - 95% (non-condensing)								
Altitude	≥ 1000 m (derating 1% for each additional 100 m)								
IP rating	IP20/21								
Noise level at 1m	65 dB								
Dimensions (W x D x H) mm	800 x 860 x 1700			1210 x 860 x 1950			2380x 860 x 1950		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	PPXs 160	PPXs 200	PPXs250	PPXs 300	PPXs 400	PPXs 500
CAPACITY	**160KVA**	**200KVA**	**250KVA**	**300KVA**	**400KVA**	**500KVA**
INPUT						
Rated Voltage	380 / 400 / 415 VAC					
Voltage Range	320 V - 480 V (full load)					
Rated Frequency	50 /60 Hz					
Delayed start of rectifier	10s (1 ~ 300 settable)					
Bypass voltage range	± 20% (settable)					
OUTPUT						
Rated Voltage	380 / 400 / 415 VAC					
Output Voltage Regulation	± 1%					
Output Frequency Regulation	50 /60 Hz ± 0.1% in battery mode					
Waveform	Sinusoidal					
Power Factor	0.8/0.9 Factory Settable					
Voltage Distortion (THDv)	≤ 2 % (linear load), ≤ 5% (non - linear load)					
Crest Factor	3:1					
Overload	105%~110% for 60 min, 110%~125% for 10 min, 150% for 1 min					
BATTERIES						
DC Voltage	Lead Acid Battery: 600 Vdc Lithium Iron Phosphate Battery: 614.4 vdc					
Number of Batteries	Lead Acid Battery: 12 V X 50 pcs (52 ~ 52 Pcs Settable)					
Charging Current	Lead Acid Battery: 2 V X 300pcs (288 ~ 312 Pcs Settable) Lithium Iron Phosphate Battery: 3.2 V X 192 Pcs (192/208 Pcs Settable) Charging Rate (Settable) X Battery Capacity (Settable) X Number Of Battery Groups (Settable)					
SYSTEM						
Efficiency	Up to≥ 94.5%; ECO mode: ≥ 98%					
Max. number of parallel connections	6					
Protections	Short-Circuit, Overload, Overvoltage, Undervoltage. Low Battery, Overtemperature, Fan Failure					
Communications	Standard Configuration: RS232/RS485/Dry Contacts SNMP Card, Temperature Compensation, SMS Alarms					
Display	7 Inches LCD Touch Screen + LED					
OTHERS						
Operating temperature	0 - 50°C					
Storage temperature	-25°C - 70°C (without batteries)					
Relative humidity	0 - 95% (non-condensing)					
Altitude	≤ 1000 m. Above 1000m, derating 1% for each additional 100 m					
IP rating	IP20 / 21					
Noise level at 1m			< 65 dB		< 70dB	
Dimensions (W x D x H) mm	400 x 800 x 1000		600 x 700 x 1500		700 x 800 x 1700	
Net weight (kg)	790	1135	1275	1355	2090	2300
Gross weight (kg)	840	1200	1340	1420	2200	2410

PPXi SERIES

RANGE : 10 KVA TO 800 KVA (3:3)

IGBT BASED UPS SYSTEM
Built In Transformer Design

MEDICAL
INDUSTRY
EMERGENCY
ANALYTICAL EQUIPMENTS
DATA CENTER



READY

FEATURES

- Online Double-Conversion With Full DSP Control
- IGBT Rectifier Inverter With Output Isolation Transformer
- 100% Unbalanced Load Capability
- Generator Compatible
- ECO Mode Operation for Energy Saving
- Standard Emergency Power Off (EPO)
- Standard RS 232, RS 485, and Dry Contacts Communication Ports
- 7-Inch Lcd Touch Screen With User-Friendly Interface

The PPXi Series UPS features an AC-DC-AC converter with a three-phase IGBT controlled rectifier for stable power conversion, which also functions as a charger. It switches between main and bypass circuits depending on their source alignment and can supply battery power during AC faults. The system employs full digital control with dual-DSP chips for advanced management, easy debugging, and communication. The 10-120 kVA UPS has 384 VDC, and models above 160 kVA feature a 600 Volt DCBUS. The PPXi Series offers extended backup capability without compromising overall efficiency. Additionally, it provides cold start options without mains power and comprehensive monitoring via RS232, RS485, and LCD to oversee system status, log faults, and facilitate communication with external systems.

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	PPXi 10	PPXi 15	PPXi 20	PPXi 30	PPXi 40	PPXi 60	PPXi 80	PPXi 100	PPXi 120
CAPACITY	**10KVA**	**15KVA**	**20KVA**	**30KVA**	**40KVA**	**60KVA**	**80KVA**	**100KVA**	**120KVA**
INPUT									
Rated Voltage	380 / 400 / 415 VAC								
Voltage Range	280 V ~ 480V								
Rated Frequency	50 /60 Hz								
Frequency Range	(50 /60) ± 5 Hz								
Power Factor	≥ 0.99								
Total harmonic distortion (THDi)	≤ 3%								
Delayed start of rectifier	10s (1 ~ 300 settable)								
Bypass voltage range	± 20% (settable)								
OUTPUT									
Output Wiring	Three - Phase five wire (3Φ + N + PE)								
Rated Voltage	380 / 400 / 415 VAC								
Output Voltage Regulation	± 1%								
Output Frequency Regulation	50 /60 Hz ± 0.1% in battery mode								
Waveform	Sinusoidal								
Power Factor	0.9								
Voltage Distortion (THDv)	≤1% (linear load), ≤ 5% (non - linear load)								
Crest Factor	3:1								
Overload	105%~110% for 60 min, 110%~125% for 10 min, 150% for 1 min								
DC INPUT									
DC Voltage	Lead Acid Battery: 360 - 600 VDC								
Number of Batteries	12 V, 32 Pcs					12 V, 60 Pcs			
Charging Current	Settable As per Battery Type								
SYSTEM									
Efficiency	Up to 94.5%; ECO mode: ≥ 98%								
Max. number of parallel connections	8								
Protections	Short-Circuit, Overload, Overvoltage, Undervoltage. Low Battery, Overtemperature, Fan Failure								
Communications	RS232/RS485 / Dry Contacts (standard), SNMP (optional)								
OTHERS									
Operating temperature	0 - 50°C								
Storage temperature	-25°C - 70°C (without battery)								
Relative humidity	0 - 95% (non-condensing)								
Altitude	≥1000 m (derating 1% for each additional 100 m)								
IP rating	IP20/21								
Noise level at 1m	< 60 dB			< 65 dB			< 65 dB		
Dimensions (W x D x H) mm	400 x 800 x 1000			600 x 700 x 1500			700 x 800 x 1700		
Pack Dimensions	490 x 920 x 1300			700 x 800 x 1650			800 x 900 x 1850		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	PPXi 160	PPXi 200	PPXi 250	PPXi 300	PPXi 400	PPXi 500	PPXi 600	PPXi 800
CAPACITY	**160KVA**	**200KVA**	**250KVA**	**300KVA**	**400KVA**	**500KVA**	**600KVA**	**800KVA**
INPUT								
Rated Voltage	380 / 400 / 415 VAC							
Voltage Range	280 V ~ 480V							
Rated Frequency	50 /60 Hz							
Frequency Range	(50 /60) ± 5 Hz							
Power Factor	≥ 0.99							
Total harmonic distortion (THDi)	≤ 3%							
Delayed start of rectifier	10s (1 ~ 300 settable)							
Bypass voltage range	± 20% (settable)							
OUTPUT								
Output Wiring	Three - Phase five wire (3Φ + N + PE)							
Rated Voltage	380 / 400 / 415 VAC							
Output Voltage Regulation	± 1%							
Output Frequency Regulation	50 /60 Hz ± 0.1% in battery mode							
Waveform	Sinusoidal							
Power Factor	0.9							
Voltage Distortion (THDv)	≤ 2% (linear load), ≤ 5% (non - linear load)							
DC INPUT								
DC Voltage	Lead Acid Battery : 600 Vdc, Lithium Iron Phosphate Battery: 614.4 Vdc							
Number of Batteries	Lead Acid Battery: 12 V x 50pcs (48 ~ 50 pcs settable)							
Charging Current	Lead Acid Battery: 2 V X 300pcs (288 ~ 300 Pcs Settable) Lithium Iron Phosphate Battery: 3.2 V X 192 Pcs (192/208 Pcs Settable) Charging Rate (Settable) X Battery Capacity(Settable) X Number Of Battery Groups (Settable)							
SYSTEM								
Efficiency	Up to 94.5%; ECO mode: ≥ 98%							
Max. number of parallel connections	8							
Protections	Short-Circuit, Overload, Overvoltage, Undervoltage. Low Battery, Overtemperature, Fan Failure							
Communications	Standard configuration: RS232, RS485, dry contacts , SNMP card, Temperature Compensation, SMS alarms							
Display	7 Inches LCD Touch Screen + LED							
OTHERS								
Operating temperature	0 - 50°C							
Storage temperature	-25°C - 70°C (without battery)							
Relative humidity	0 - 95% (non-condensing)							
Altitude	≥1000 m. Above 1000 m, derating 1% for each additional 100 m							
IP rating	IP20 / 21							
Noise level at 1m	< 65 dB				< 68 dB			<70 dB
Dimensions (W x D x H) mm	800 x 860 x 1700		1210 x 860 x 1950		2380x 860 x 1950		2600 x 860 x 1950	
Net weight (kg)	790	185	1275	1355	2090	2300	2600	
Gross weight (kg)	840	1200	1340	1420	2200	2410	2720	

DRM UPS SERIES

RANGE: 10 KVA TO 80 KVA (3:3)

TRANSFORMER FREE UPS SYSTEM
Standalone / Rack Mountable

READY

MEDICAL
INDUSTRY
EMERGENCY
ANALYTICAL EQUIPMENTS
DATA CENTER



FEATURES

- Parallel Options Up to 6 Units
- Overall Efficiency Up to 97%
- Input Thdi <3% and Input Power Factor ≥0.99
- Multistage Battery Charging Protection
- Multiple Intelligent Communication Methods Enable Remote Management
- The Inverter Output is Increased to Support Long-Term Operation (KVA = KW)
- Delay Start-Up Function Reduces Voltage Impact On The Generator
- DSP (Digital Signal Processor) Ensures A Stable Signal Static/Dynamic Features

The DRM UPS Series highlights POM POWER's progress in transformer-free UPS technology, marking twenty years of development that reduces reliance on Inverter transformers while improving cost, efficiency, and reliability. The DRM UPS range spans from 10 KVA to 80 KVA, with a focus on minimising system space and increasing efficiency. With an industry-leading 97% efficiency and suitability for harsh environments, the DRM UPS is ideal for factory applications. It also offers versatile battery options compatible with various battery types, including lithium batteries, enhancing service life and performance. Additionally, the DRM UPS features the most adaptable DC BUS, operating from 32 to 44 batteries. DRM UPS can be installed with an isolation transformer at either the input or output.

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	DRM10	DRM15	DRM20	DRM30	DRM40	DRM60	DRM80
CAPACITY	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA
AC INPUT							
Input Voltage	380/400/415 V AC				380/400/415 V AC		
Voltage Range	320 V- 480 V				320 V- 480 V		
Input Frequency	50 Hz ± 10%				50 Hz ± 10%		
Soft Start	60 Secs				60 Secs		
THDi	<3%				<3%		
Input PF	≥ 0.99				≥ 0.99		
BYPASS							
Input Voltage	380 V/400 V/415 V AC				380 V/400 V/415 V AC		
Input Frequency	50 Hz ± 10%				50 Hz ± 10%		
DC INPUT							
Rated Voltage	± 240 VDC				± 240 VDC		
Voltage Scope	384V- 528 V				384V- 528 V		
Number Of Batteries	32- 44 Pcs				32- 44 Pcs		
Type Of Batteries	VRLA, LI-ION, AGM				VRLA, LI-ION, AGM		
AC OUTPUT							
Output Voltage	380 V/400 V/415 V				380 V/400 V/415 V		
Output PF	UNITY @30°C				UNITY @30°C		
Frequency	50 Hz +/- 0.05 Hz				50 Hz +/- 0.05 Hz		
Voltage Stability	≤ 1%				≤ 1%		
Recovery Time	20 ms				20 ms		
Transfer Time	0 ms				0 ms		
Crest Factor	3:1				3:1		
THDv (%)	2% (LINEAR LOAD) 4% (NON LINEAR LOAD)						
Efficiency	Upto 97.3%						
Max, Number of Parallel Connections	Upto 6						
OTHER PARAMETERS							
Design	19" CABINET/ TOWER				19" CABINET/ TOWER		
Operation Mode	ONLINE/IECO				ONLINE/IECO		
Communication	RS 232/ RS485, CAN, USB, DRY CONTACT, SD, SNMP, MODBUS						
Storage temperature	-25° c to 60°c						
Operation temperature	0° c to 50°c						
Altitude	≤ 5000 M, ABOVE 1000 METER DERATING						
Relative Humidity	0 - 95% (non-condensing)						
IP Grade	IP 20/21						
Cooling	FORCED AIR COOLING						
Noise	≤70 - 85 DB						
Dimension (W*D*H) mm	132*620*430 (Tower Type)				480*700*350 (Tower Type)		
	430*620*132 (Rack Type)				350*700*480 (Rack Type)		

DIM UPS SERIES

RANGE: 100 KVA TO 1000 KVA (3:3)

TRANSFORMER FREE UPS SYSTEM
Industrial Modular Architecture

DATA CENTER
INDUSTRY
TRANSPORT
EMERGENCY
MEDICAL



Li READY

FEATURES

- UPS output PF=1, THDi <3%
- AC – AC Efficiency up to 97%
- Mains to Battery seamless switching
- ECO MODE efficiency up to 99%
- iECO MODE with Ultra-high efficiency up to 99.5%
- Provides reactive power compensation
- Harmonic suppression to eliminate load interference with the power grid
- Battery and mains can operate simultaneously, supporting the slow start of the generator

The POM POWER's transformer-free UPS technology has been developed over two decades, eliminating the need for transformers in power line frequency magnetics and advancing towards high-power, high reliability solutions. These UPS systems feature cutting-edge input capabilities that reduce harmonics and enhance power factor, thereby lowering costs and footprint. Available in capacities from 100 KVA to 1000 KVA, the modular architecture-based DIM Series boosts efficiency and ensures high reliability in industrial settings by allowing modules to operate redundantly, so a single failure does not compromise overall system performance. The DIM Series operates with the industry's best wide DC Bus from 32 to 44 batteries.

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	DIM100	DIM120	DIM160	DIM200	DIM250	DIM300	DIM400	DIM500	DIM600	DIM800	DIM1000
CAPACITY	100KVA	120KVA	160KVA	200KVA	250KVA	300 KVA	400KVA	500 KVA	600 KVA	800 KVA	1000 KVA
AC INPUT											
Input Voltage	380/400/415 V AC							380/400/415 V AC			
Voltage Range	320 V- 480 V							320 V- 480 V			
Input Frequency	50 Hz ± 10%							50 Hz ± 10%			
THDi	<3%							<3%			
Input PF	≥ 0.99							≥ 0.99			
DC INPUT											
Rated Voltage	± 240 VDC							± 240 VDC			
Voltage Scope	384V- 528 V							384V- 528 V			
Number Of Batteries	32- 44 Pcs							32- 44 Pcs			
Type Of Batteries	VRLA, LI-ION, AGM							VRLA, LI-ION, AGM			
AC OUTPUT											
Output Voltage	380 V/400 V/415 V							380 V/400 V/415 V			
Output PF	UNITY @30°C							UNITY @30°C			
Frequency	50 Hz +/- 0.05 Hz							50 Hz +/- 0.05 Hz			
Recovery Time	20 ms							20 ms			
Transfer Time	0 ms							0 ms			
Crest Factor	3:1							3:1			
THDv (%)	2% (LINEAR LOAD) 4% (NON LINEAR LOAD)										
Overload	115% 60 Min/125% 10 Min /150% 1 Min @ 0.8 PF										
Efficiency	Upto 97.5%							Upto 97.5%			
Parallel Connections	Upto 6							Upto 6			
OTHER PARAMETERS											
EPO	STANDARD							STANDARD			
Operation Mode	ONLINE/IECO							ONLINE/IECO			
Communication	RS 232/ RS485, CAN, USB, DRY CONTACT, SD, SNMP, MODBUS										
Storage temperature	-25° c to 60°c										
Operation temperature	0° c to 50°c										
Altitude	≤ 5000 M, ABOVE 1000 METER DERATING										
Relative Humidity	0 - 95% (non-condensing)										
Ip Grade	IP 20/ 21										
Cooling	FORCED AIR COOLING										
Noise	≤65 - 70 DB										
Dimension (W*D*H) mm	600*950*1600		600*950*2000			800*950*2000		1200*1000*2000		1800*1000*2000	
Net Weight (Kg)	300	320	360	380	410	430	450	500	550	570	600

MEDICAL
INDUSTRY
TRANSPORT
FINANCE
EDUCATION

DRMS SERIES UPS

Range: 6kVA to 36kVA Rack Mountable

3 Phase Input 3 Phase Output
1 Phase Input 1 Phase Output

Li READY



DRMS-12/6 UPS System

- Maximum power: 12kVA
- Could be embedded into standard 19 inch cabinet
- Power module model: DRM-06
- Module power: 6kVA
- Weight: Approximate 12kg+2*7kg (each module)
- Dimension: 480*600*132 mm (W*D*H)
- Weight: 12kg



DRMS-24/6 UPS System

- Maximum power: 24kVA
- Could be embedded into standard 19 inch cabinet
- Power module model: DRM-06
- Module power: 6kVA
- Weight: Approximate 16kg+4*7kg (each module)
- Dimension: 480*600*220 mm (W*D*H)
- Weight: 16kg



DRMS-36/6 UPS System

- Maximum power: 36kVA
- Could be embedded into standard 19 inch cabinet
- Power module model: DRM-06
- Module power: 6kVA
- Weight: Approximate 20kg+6*7kg (each module)
- Dimension: 480*600*310 mm (W*D*H)
- Weight: 20kg

TECHNICAL SPECIFICATIONS

Module model	DRM-06
Module power	6kVA
Input/output	1/1 phase
Module dimension (W×D×H)mm	220×500×85
Weight (kg)	Approximate 7kg
Module charging	Each module provides 1A charging current
Input power factor	≥ 0.99
Overload ability	Exceeds system overload requirements
THDI (%)	≤ 3%
Common Parameters	
Input mode	3-phase +N +E, 1-phase +N +E
Input voltage	380V/ 220V 400V/230V. 415V/240V±20%
Input frequency	50Hz/ 60Hz±10%
Power walk-in (Sec.)	60sec
THDI (%)	<3%
Input PF	≥0.99
Rated Input voltage	±240VDC
Charging ability	8-10 hours
UPS power factor	0.9
Output voltage	380/400/415V. 200/215/230V AC
Output frequency	±4%;±0.2% (battery supply)
Output voltage stability	±1%
Output voltage recovering time	<20ms (load 0~100% change)
Overload ability	Operate 10mins with 125% load
Transfer from mains to battery supply	0ms
Transfer from bypass to inverter supply	< 1ms
Peak factor	3:1
Waveform distortion	≤1% (linear load), ≤3%(non-linear load)
Overall efficiency	≥95% (AC~AC), ≥98% (DC~AC)
Ambient temperature	-25°C ~ 60°C
Operating temperature	-5°C ~ 40°C
Maximum operation altitude	≤1500m
Relative humidity	0 - 95% (non-condensing)
Applicable safety standards	EN62040-1-1:2003 IEC60950-1:2001
Electromagnetic compatibility	EN62040-2:2006
Acoustic noise	≤55DB
Others	
Cabinet	Standard 19 inch cabinet
Interface	RS232, RS485, 2 try contact, TCP/IP adapter
Display	LCD/LED

DMS UPS SERIES

RANGE: 15 KVA TO 4800 KVA (3:3)

MODULAR UPS SOLUTIONS

MEDICAL

TRANSPORT

FINANCE

EDUCATION

DATA CENTER



READY

FEATURES

- Best In Class Modular UPS solutions
- 15 to 75 kW Modules for adaptive requirement
- Parallel up to 4 frames to increase the capacity
- Best In Class Redundancy up to N+N options
- UPS output PF=1, THDi <3% and Efficiency up to 97%
- Ultra high efficiency in iECO MODE up to 99.5%
- Provide reactive power compensation
- Harmonic suppression to eliminate load interference to power grid
- Battery and mains can be powered at the same time, support the slow start of the generator

POM POWER has been involved in modular UPS manufacturing since 2010, offering the DMS Series with capacities from 15 kVA to 1.2 MW. These systems are scalable, allowing easy expansion with additional modules that can be added without downtime. DMS Series also feature module-wise switches to prevent arcing. The UPS configurations are customisable to meet specific needs, offering high reliability through redundancy options like N+1 or N+N, energy-saving sleep modes, hot-swappable modules, and parallel operation capabilities for increased capacity up to 4800 kVA. These features make the DMS Series ideal for applications such as data centres with growing power demands, as it provides continuous and reliable power. DMS Modular technology supports both common and individual Battery solutions, ranging from 32 to 44 SMF batteries, and is compatible with Lithium Batteries.

Systems Based on 15 kVA Module

Model	Max. Capacity of system	Configuration	Power Module model	Power Module Capacity	Dimension (standalone/Rack Mountable)
DMS-30/15	30kVA	2 slots	DM15	15 KVA	482/442*800*662(W*D*H) mm, standalone or embed into standard 19" cabinet
DMS-60/15	60kVA	4 slots	DM15	15 KVA	482/442*800*840(W*D*H) mm, standalone or embed into standard 19" cabinet
DMS-120/15	120kVA	8 slots	DM15	15 KVA	482/442*800*1195(W*D"H) mm, standalone or embed into standard 19" cabinet

Systems Based on 25 kVA Module

Model	Max. Capacity of system	Configuration	Power Module model	Power Module Capacity	Dimension (standalone/Rack Mountable)
DMS-150/25	150 KVA	6 slots	DM25	25 KVA	600*1000*1600(W*D*H) mm, standard 19" cabinet
DMS-250/25	250 KVA	10 slots	DM25	25 KVA	600*1000*2000(W*D*H) mm, standard 19" cabinet

Systems based on 50 kVA Module

Model	Max. Capacity of system	Configuration	Power Module model	Power Module Capacity	Dimension (standalone/Rack Mountable)
DMS-200/50	200 kVA	4slots	DM50	50 kVA	600*1000*2000(W*D*H) mm, standard 19" cabinet
DMS-300/50	300 kVA	6 slots	DM50	50 kVA	900*1000*2000(W*D"H) mm, standard 19" cabinet
DMS-400/50	400 kVA	8 slots	DM50	50 kVA	900*1000*2000(W*D"H) mm standard 19" cabinet
DMS-500/50	500 kVA	10 slots	DM50	50 kVA	1200*1000*2000(W*D*H) mm, standard 19" cabinet

Systems based on 75 kVA Module

Model	Max. Capacity of system	Configuration	Power Module model	Power Module Capacity	Dimension (standalone/Rack Mountable)
DMS-450/75	450 kVA	6 slots	DM75	75 kVA	900*1000*2000(W*D*H) mm, standard 19" cabinet
DMS-600/75	600 kVA	8 slots	DM75	75 kVA	1200*1000*2000(W*D*H) mm, standard 19" cabinet
DMS-900/75	900 kVA	12 slots	DM75	75 kVA	1800*1000*2000(W*D*H) mm, standard 19" cabinet
DMS-1200/75	1200 kVA	16 slots	DM75	75 kVA	2300*1000*2000(W*D*H) mm, standard 19" cabinet

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

INPUT	
Phase	3Ph +N+PE
Nominal Input Voltage	380V/400V/415V AC, Three-Phase, Five-Wire
Input Voltage Range	320 V - 480 V
Input Rated Frequency	50/60Hz
THDI	<3%
Power Factor	≥ 0.99
Bypass Voltage Range	± 20%
Bypass Frequency Range	50/60 ± 10%
Bypass Synchronization	± (0.5,1, 2, 3, 5) adjustable
OUTPUT	
Output Rated Voltage	380V/400V/415V AC, Three-Phase, Five-Wire
Output Frequency	50/60Hz
Overload Ability	10 minutes at 125%
Output Voltage THD	≤ 2% (Resistive load), ≤ 4% (Non-linear load)
Output Voltage Stabilization	≤ 1%
ACCURACY	
Voltage Recovering Time	≤ 20ms
Transfer From Mains to Battery Supply	0 ms
Efficiency	Up to 97% in Online mode, Up to 99.5% in iECO mode
BATTERY	
Battery Rated Voltage	±240V DC
VRLA Battery	40 (Range 32-44)
Access to Lithium-ion Battery	Standard
ENVIRONMENTAL	
Operating Temperature	0°C to 50°C
Operating Relative Humidity	0 - 95% (non-condensing)
Altitude	5000 M, Derating If 1000 Above
Protection Class	IP20/21
OTHERS	
PARALLEL CONFIGURATION	4 Frames with 16 Modules Each
EPO	SUPPORT
Communication	RS232/RS485, CAN, USB, DRY CONTACT, SD CARD AS STANDARD, MOD-BUS, SNMP (OPTIONAL)
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3

POM SV SERIES

RANGE : 1 KVA TO 25 KVA SINGLE PHASE
3 KVA TO 2500 KVA THREE PHASE

Servo Controlled Voltage Stabilizers
Air and Oil Cooled

MEDICAL
INDUSTRY
TRANSPORT
DATA CENTER
EMERGENCY



FEATURES

- Featuring fast, efficient toroidal autotransformers for the entire capacity range.
- Output accuracy better than 1%, with adjustable precision.
- Independent regulation per phase in three-phase units, unaffected by imbalances.
- The input Voltage range is customisable, with rapid regulation speed.
- Ensures stable output, unaffected by line voltage harmonics.
- Best Suits with Medical, Laser and CNC applications

The POM SV Series Servo Controlled Voltage Stabilizers are designed to maintain stable voltage levels in various environments by addressing issues such as load fluctuations, line failures, voltage drops, and lightning interference. Manufactured according to IS:9815 standards, the POM SV Series ranges from 1 kVA to 25 kVA (Single-phase) and 3 kVA to 2500 kVA (Three-phase), available in Air-cooled and Oil-cooled models. Air-cooled stabilizers are suitable for moderate heat conditions, while oil-cooled units are ideal for high fluctuations and heavy loads in industrial settings. The stabilizers use a solid-state circuit and servo motor to adjust voltage accurately, preventing overvoltage and ensuring the safe operation of sensitive equipment. The POM SV Series SCVS is a 100% customised product tailored to specific input and output phase and voltage requirements.

TECHNICAL SPECIFICATIONS

Single Phase & Three Phase

Air and Oil Cooled

MODEL	POM SV
System Construction	As per IS:9815
Single Phase Capacity	1 to 25 kVA
Three Phase (air cooled)	3 to 2500 kVA
Three Phase (oil cooled)	3 to 2500 kVA
Input Voltage Range for 1PH-AC	90V-270V, 110V-270V, 140V-270V, 170V-270V, 195V-270V
Input Voltage Range for 3PH-AC	190V-465V, 240V-465V, 260V-465V, 295V-465V, 320V-465V, 340V-480V, 360V-480V
Special Range	As per Customer Requirements
Output Voltage	220/230/240V AC in Single Phase
	380/400/415 V AC in Three Phase
System	Unbalanced/balanced type
Connection	Star-Star
Output Voltage Regulation	(+/-) 1% from no load to full load
Servo Motor Drive Model-A	AC Servo Synchronous Motor-Small
Correction Speed	35 V/sec-1 Ph, 60 V/sec-3 ph
Response Time	Above 60 ms.
Servo Motor Model-B	DC Servo Motor
Correction Speed (DC)	Upto 105V/sec
Response Time (DC)	10 ms
Operating Frequency	47 to 53 Hz
Output Waveform	True reproduction of Input
Insulation	Class “F” for Air cooled/Class “A” for Oil cooled
Short circuit percentage and period	300% for 250ms
Overload Capacity	120% for 1 minute
Effect of Load P.F on OP Volts	Nil
Waveform Distortion	Nil
Duty Cycle	100% continuous
Surge & Spike Protection	By using Class 2 SPD (optional)
Ambient	Upto 45°C max above Ambient Relative Humidity upto 90%
Efficiency	> 98% (Electrical consumption saved)
Environment	Designed for indoor/outdoor tropical use
Mounting	On wheels
Earthing	Earthing terminals provided
Enclosure	Cabinet RAL 9005 & Front Display Door RAL 7040

POL SERIES LIFT UPS

RANGE : 6 KVA - 60 KVA (3 :3)

Lighting & Lift Load Application

EMERGENCY

INDUSTRY

TRANSPORT



FEATURES

- Suitable for 3 HP to 32 HP
- 6 kVA - 60 kVA wide capacity options
- Provides near-zero switching time for smooth operation.
- Able to handle regenerative loads.
- Capable of offering extended backup durations
- Phase Fail prevention feature
- Input overload cut-off for additional protection and manages high inrush currents
- Delivers a pure sine wave output.

POM POWER POL Series lift UPS systems provide emergency power during outages, ensuring elevators reach the nearest floor and open doors smoothly. POL Series is a three-phase UPS ranging from 6 kVA to 60 kVA, with near-zero transfer times, unlike standard generators. When choosing a system, consider whether it is for minimal emergency rescue or extended backup. The POL Series UPS manages the elevator's inrush current, which is typically three-phase. Advanced options include lithium batteries for longer life and a more compact design. Compatibility with the elevator's Variable Frequency Drive (VFD) is another advantage of POM POWER POL Series UPS, especially with regenerative VFDs.

TECHNICAL SPECIFICATIONS

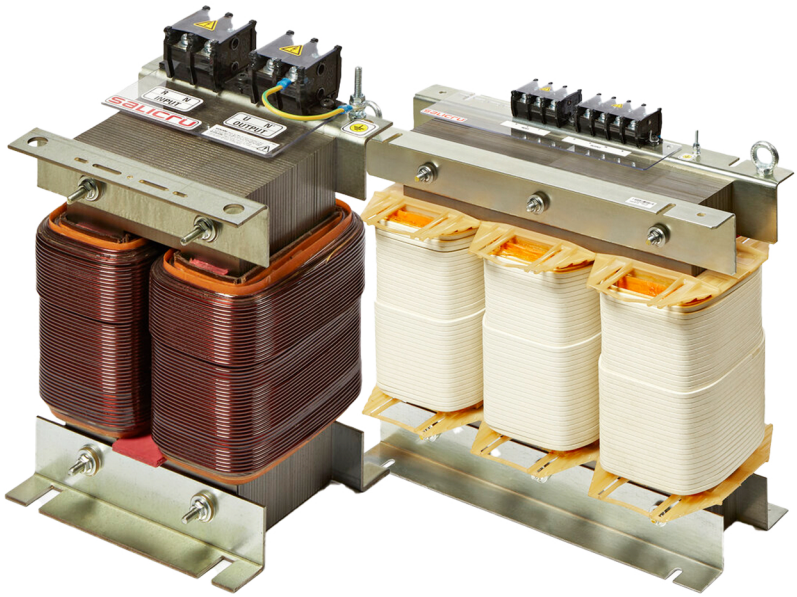
Three Phase Input - Three Phase Output

Model	POL 306	POL 310	POL 315	POL 320	POL 325	POL 330	POL 340	POL 360
KVA	6	10	15	20	25	30	40	60
Capacity (Balanced Load)	4.8 KW	8 KW	12 KW	16 KW	20 KW	24 KW	32 KW	48 kW
AC INPUT								
Input Voltage	415 VAC +15, - 20 %							
Input Frequency	50 Hz +/- 6 %							
Battery Voltage	192V				240V-360V		360V	
AC OUTPUT								
Technology	IGBT Based PWM Inverter using Micro Controller							
Output Voltage	380/400/415 VAC +/- 2 %							
Output Frequency	50 Hz +/- 0.5 %							
Output Powerfactor	0.8							
Output waveform	PWM Sine wave							
Crest factor	3 : 1							
Galvanic Isolation	Inbuilt Galvanic Isolation Transformer Provided							
Harmonic Distortion	Less than 3 % on Linear Load							
Transient Recovery	± 4 % .							
Inverter Efficiency	Up to 93 %							
INDICATIONS & ALARMS								
Audible Alarm	Every 30 sec. On mains fail. Battery low pre-alarm at 80 % of Battery discharge. Beep for all other Trip Conditions							
METERING								
Digital Metering and Fault Indications	I/P Voltage, Frequency , O/P Voltage, Frequency, Load KW, Battery Voltage, Battery Charge. Fault Indications – Mains Off, Battery Low Pre-Alarm & Trip, Output Overload,							
Protections								
Protections	Output Overload (110% -60 Minutes, 150% - 30 Sec) Output short circuit, Battery low trip, DC over voltage, Input under voltage / over voltage, I/p Single Phasing / Phase Reversal, Over Temperature,							
GENERAL								
Bypass Facility	Manual							
Audible Noise	Less Than 60 dB at 1 meter							
Design ambient	0-60° C							
Relative Humidity	0 - 95% (non-condensing)							
Enclosure	M.S. Powder coated with castor wheels							

PIT SERIES ISOLATION TRANSFORMER

RANGE : 1 KVA - 1000 KVA (1:1,3:3)

MEDICAL
INDUSTRY
TRANSPORT
DATA CENTER
EMERGENCY



FEATURES

- Mitigates electrical noise and harmonics
- Eliminates ground loops
- Protects against voltage spikes
- Ensures data integrity and uptime
- Enhances equipment lifespan
- Superior Efficiency and build quality
- Provides a high level of common-mode noise reduction.
- 1:1/3:3 Phase Options

The POMPOWER IT Series Isolation transformers are versatile, functioning as standalone units or integrated into UPS systems. These dry-type/oil-cooled transformers feature low-loss magnetic plates and resin-impregnated windings to provide electrical isolation, protecting sensitive equipment like servers and network devices. Available in single-phase and three-phase configurations, the series offers customised options to meet Industrial, Medical and IT requirements, ensuring stable, clean power. The POMPOWER IT Series helps eliminate ground loops, establishing a unified, stable ground reference for IT infrastructure. It also reduces harmonics from non-linear loads, which can impair power quality, and acts as a buffer against voltage spikes and transients that could damage hardware.

TECHNICAL SPECIFICATIONS

Single Phase Input - Single Phase Output
Three Phase Input - Single Phase Output
Three Phase Input - Three Phase Output

Rating (Capacity)	1 kVA to 1000 kVA
Primary Voltage	230V AC / 415V AC
Secondary Voltage	230V AC / 415V AC (Step Up/Down Voltage can be customised)
Common Mode Noise Rejection	>100 dB or >120 dB
Coupling Capacitance	<0.01 pF
DC Galvanic Isolation	>1000 MΩ or >500 MΩ
Dielectric Strength	2500V AC for 60 seconds
Winding Material	Copper
Shielding Material	Copper
Winding Configuration	Delta/Star, Star/Delta, Star/Star
Efficiency	Up to 98.5 % at full load
Temperature Rise	Lower temperature rise
K-Rating	K13, K20
Insulation Class	Class F, Class H
Electrostatic Shielding	Double or Reinforced
Neutral Conductor	Double-sized neutral
Cooling	Air-cooled / Oil Cooled (Customisable)
Degree of Protection (IP Rating)	IP 21

Disclaimer : Specifications and images are subject to change without notice due to ongoing product improvements.

OUR BRANCHES

NEW DELHI
912, 9th Floor, Mercantile House
15, Kasturba Gandhi Marg, New Delhi - 110 001
Mob . 9902226370

MANGALORE
Shop No: 3-28/11 House, Malemar Road
Kottara Chowki, Mangaluru Dakshina Kannada
Karnataka- 575006,
Mob. 9606978037

HUBBALLI
Sidhi Sai Plaza, Plot No 3, Prabhat Colony,
Shirur Park Road, Vidyanagar, Hubballi-580021
Mob. 9036180742

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

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. 9035032565

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

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

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

KOLKATA
D2/2, Block EP & GP, Convergence Contact Centre
Sector 5, Bidhan Nagar, Salt Lake, Kolkata
Mob: 9036180747

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

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

ERNAKULAM
VRWA - 49 , 52 / 2898 A, Kooduthotty
Behind SBI Vytilla Branch, Maplassery Road
Kochi-682019,
Mob. 9108992481

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

CHANDIGARH
05, Raipur Khurd, Behind Tribune Colony,
Chandigarh-160003
Mob : 9902226370

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

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



OUR CUSTOMERS

Reliance Industries Limited
JSW
IDBI BANK
milma
इसरो isro
Shilpa Innovating for affordable healthcare
AIERT
DRDO
Patwari
manipalhospitals
V CABLES
ENERPAC
MOTHER DAIRY
Rainbow HOSPITAL FOR WOMEN AND CHILDREN
State Bank of India
यूको बैंक UCO BANK
LASER TECHNOLOGIES
Western Metal Industries Pvt. Ltd.
हिंदुस्तान एरोनॉटिक्स लिमिटेड HAL
CMTI CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE
HSG
REGAERO GROUP
Bellissimo STILE ITALIANO
CALVARY TEMPLE
Unistil AICOBLENDS PVT LTD.
ST PAULS COLLEGE
Alphazee Systems
SAPTHAGIRI NPS UNIVERSITY
MANIPAL ACADEMY of HIGHER EDUCATION
DEXLER ENERGY
KMCT MEDICAL COLLEGE HOSPITAL
RRI
Kassia
BHEL
technosys
LIC LIFE INSURANCE CORPORATION OF INDIA
adcock ingram
Brindavan Beverages Pvt. Ltd
HERO FUTURE ENERGIES
JAI SOLAR
CEREBRATION CONSULTANTS
TALIN Transforming Your Environments
WESTERN LUMINIUM.
BAJAJ STEEL INDUSTRIES LTD.
VISHNU INDUSTRIES
TIOT SYSTEMS
NIBL Korta
MIDAS
METSTO We Create Space On Space
MEDREICH

Systems & Services Pvt Ltd

No.75, 6th main, 3rd phase
Peenya Industrial Area, Bangalore - 560058

NEW DELHI | HYDERABAD | CHENNAI |TRIVANDRUM |MUMBAI|KOLKATA
PUNE | COIMBATORE | VIJAYAWADA |VISAKHAPATNAM | HUBBALLI
PATNA |LUCKNOW | ERNAKULAM |MANGALORE |CHANDIGARH |TIRUPATI
HOSUR | MADURAI | TRICHY | GULBARGA | DAVANGERE | KAKINADA
JAIPUR | DEHRADUN | GORAKHPUR | CALICUT | AHMEDABAD | MYSORE
RANCHI | BHOPAL | BHUBANESWAR | NAGPUR | RAIPUR
GUWAHATI | KRISHNAGIRI

PAM POWER

www.pompower.in

+91 9844034106| +91 9035010265

pompower@pompower.in www.pompower.in

ISO 9001 : 2015 ISO 45001 : 2018 ISO 14001 : 2015 IS 16169 R 62005688 IS 16221 R 62005096 IS 16169 R 62005068 IS 16242 R 62005231

MINISTRY OF NEW AND RENEWABLE ENERGY