POM POWER
www.pompower.in

DMS UPS SERIES

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

MODULAR UPS SOLUTIONS

MEDICAL
TRANSPORT
FINANCE
EDUCATION
DATA CENTER



LI 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