POM POWER
www.pompower.in

DRM UPS SERIES

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

TRANSFORMER FREE UPS SYSTEM
Standalone / Rack Mountable

MEDICAL
INDUSTRY
EMERGENCY
ANALYTICAL EQUIPMENTS
DATA CENTER



READY

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)		