

LENTO

DSM UPS SERIES

10kVA ~ 1000kVA

DSM10/15/20

Capacity : 10/15/20kVA

Dimension (W*D*H): 430*620*132/132*620*430mm

IP grade : IP20



DSM30/40/50/60/80

Capacity : 30/40/50/60/80kVA

Dimension(W*D*H): 442*700*350/350*700*442mm

IP grade : IP20



DSM100/120

Capacity: 100/120kVA

Dimension (W*D*H): 600*1000*1400mm

IP grade : IP20





DSM160/200/240

Capacity : 160/200/240kVA

Dimension (W*D*H) : 600*1000*2000mm

IP grade : IP20



DSM300/400

Capacity : 300/400kVA

Dimension (W*D*H): 900*1000*2000mm

IP grade : IP20



DSM500/DSM600

Capacity : 500/600kVA

Dimension (W*D*H): 1200*1000*2000mm

IP grade : IP20



DSM800 DSM1000

Capacity : 800/1000kVA

Dimension (W*D*H): 1800*1000*2000mm

IP grade : IP20

DSM10-80 Parameter

Model		DSM10	DSM15	DSM20	DSM30	DSM40	DSM50	DSM60	DSM80
Capacity		10kVA	15kVA	20kVA	30kVA	40kVA	50kVA	60kVA	80kVA
AC input	Input	3Ph+N+PE							
	Input voltage	380V/220V AC 400V/230V AC 415V/240V AC							
	Voltage range	132V~746V							
	Input frequency	50Hz/60Hz							
	Frequency scope	45~55Hz			40~70Hz				
	THDI	≥ 3%							
	Input PF	≥ 0.99							
Bypass	Input voltage	380V/220V AC 400V/230V AC 415V/240V AC							
	Input frequency	50Hz±10% 60Hz±10%							
	Frequency tracking scope	50Hz±4% 60Hz±4%							
DC input	Rated voltage	±240V DC							
	Voltage scope	±168V DC~±320V DC							
	Battery no	32~44							
	Lithium-ion battery	Supoort							
AC output	Output voltage	380V/220V AC 400V/230V AC 415V/240V AC							
	Output PF	0.9							
	Frequency scope	50Hz/60Hz±0.5Hz							
	Voltage stablity	≤ ±1%							
	Voltage recovery time	≤ 20ms							
	Transfer time	0ms							
	Crest factor	3:1							
	THDv	≤ 2% Liner load				≤ 4% Non-liner load			
	Overload	125% rated load				operate 10 minutes			
	Efficiency	≥ 95%							
Other	Design	Rackmount19inch cabinet / standalone							
	EPO	standard							
	Operation mode	ON-LINE / IECO							
	Communication	RS232/RS485 CAN USB Dry contact SD SNMP MODBUS							
	Storage temperature	-25℃ -60℃							
	Operation temperature	-5℃ -40℃							
	Attitude	≤ 5000m, derating if 1000m above							
	Relative humidity	≤ 95% no-condensation							
	IP grade	IP20							
	Cooling	Air cooling							
	Noise	< 55dB							

DSM100-300 Parameter

Model		DSM100	DSM120	DSM160	DSM200	DSM250	DSM300
Capacity		100kVA	120kVA	160kVA	200kVA	250kVA	300kVA
Ac Input	Input Wiring	3Ph+N+PE					
	Input Voltage	380V/220V AC 400V/230V AC 415V/240V AC					
	Voltage Range	130V~480V					
	Input Frequency	50Hz/60Hz $\pm$ 10%					
	Soft Start	60 Sec					
	THDI	$\geq$ 3%					
	Input PF	$\geq$ 0.99					
Bypass	Input Voltage	380V/220V AC 400V/230V AC 415V/240V AC					
	Input Frequency	50Hz $\pm$ 10% 60Hz $\pm$ 10%					
Dc Input	Rated Voltage	$\pm$ 240 VDC					
	Voltage Scope	$\pm$ 384V- 528V DC					
	Number of Batteries	32 - 44 Pcs					
	Type of Batteries	VRLA, Li-ION, AGM					
Ac Output	Output Voltage	380 / 400 / 415 V					
	Output PF	UNITY @30°C					
	Frequency	50 Hz +/- 0.05Hz					
	Voltage Stability	$\leq$ $\pm$ 1%					
	Recovery Time	20 ms					
	Transfer Time	0 ms					
	Crest Factor	3:1					
	THDv (%)	2% (LINEAR LOAD) 4% (NON LINEAR LOAD)					
	Overload	115% 60 Min / 125% 10 Min / 150% 1Min @ 0.8 PF					
	Efficiency	Upto 97% in Online Mode 99% in Eco Mode, 99.5% in IEco Mode					
	Max. Number of Parallel Connections	Upto 6					
Other Parameter	Design	19" Cabinet / Tower					
	EPO	Standard					
	Operation Mode	ON-LINE / ECO / IECO					
	Communication	RS232 / RS485 CAN USB DRY CONTACT SD SNMP MODBUS					
	Storage Temperature	-25°C - 60°C					
	Operation Temperature	0°C- 50°C					
	Attitude	$\leq$ 5000m, 1% Derating above 5000m					
	Relative Humidity	$\leq$ 95% NO CONDENSATION					
	IP Grade	IP 20					
Parameter	Cooling	Forced Air Cooling					
	Noise	$\leq$ 65-70 dB @ 1 M					
	Dimension (W*D*H)	600*950*600		600*950*2000		800*950*600	
	Net Weight (KG)	300	360	320	380	410	430

DSM400-1000 Parameter

Model		DSM400	DSM500	DSM600	DSM800	DSM1000
Capacity		400kVA	500kVA	600kVA	800kVA	1000kVA
Ac Input	Input Wiring	3Ph+N+PE				
	Input Voltage	380V/220V AC 400V/230V AC 415V/240V AC				
	Voltage Range	130V~480V				
	Input Frequency	50Hz/60Hz $\pm$ 10%				
	Soft Start	60 Sec				
	THDI	$\geq$ 3%				
	Input PF	$\geq$ 0.99				
Bypass	Input Voltage	380V/220V AC 400V/230V AC 415V/240V AC				
	Input Frequency	50Hz $\pm$ 10% 60Hz $\pm$ 10%				
Dc Input	Rated Voltage	$\pm$ 240 VDC				
	Voltage Scope	$\pm$ 384V- 528V DC				
	Number of Batteries	32 - 44 Pcs				
	Type of Batteries	VRLA, Li-ION, AGM				
Ac Output	Output Voltage	380 / 400 / 415 V				
	Output PF	UNITY @30°C				
	Frequency	50 Hz $\pm$ 0.05Hz				
	Voltage Stability	$\leq$ $\pm$ 1%				
	Recovery Time	20 ms				
	Transfer Time	0 ms				
	Crest Factor	3:1				
	THDv (%)	2% (LINEAR LOAD) 4% (NON LINEAR LOAD)				
	Overload	115% 60 Min / 125% 10 Min / 150% 1Min @ 0.8 PF				
	Efficiency	Upto 97% in Online Mode 99% in Eco Mode, 99.5% in IEco Mode				
	Max. Number of Parallel Connections	Upto 6				
Other Parameter	Design	19" Cabinet / Tower				
	EPO	Standard				
	Operation Mode	ON-LINE / ECO / IEco				
	Communication	RS232 / RS485 CAN USB DRY CONTACT SD SNMP MODBUS				
	Storage Temperature	-25°C - 60°C				
	Operation Temperature	0°C - 50°C				
	Attitude	$\leq$ 5000m, 1% Derating above 5000m				
	Relative Humidity	$\leq$ 95% NO CONDENSATION				
	IP Grade	IP 20				
Parameter	Cooling	Forced Air Cooling				
	Noise	$\leq$ 65-70 dB @ 1 M				
	Dimension (W*D*H)	1200*1000*2000			1800*1000*2000	
	Net Weight (KG)	450	500	550	570	600

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