

Standard Specifications

3kV Class	Model Number [60Hz]	LSMV-033S200	LSMV-033S300	LSMV-033S400	LSMV-033S500	LSMV-033S600	LSMV-033S750	LSMV-033S10H	LSMV-033S12H	LSMV-033S15H	LSMV-033S20H	LSMV-033S25H	LSMV-033S30H	LSMV-033S37H
	Model Number [50Hz]	LSMV-030F200	LSMV-030F300	LSMV-030F400	LSMV-030F500	LSMV-030F600	LSMV-030F750	LSMV-030F10H	LSMV-030F12H	LSMV-030F15H	LSMV-030F20H	LSMV-030F25H	LSMV-030F30H	LSMV-030F37H
	Output Capacity [kVA]	200	300	400	500	600	750	1000	1200	1500	2000	2500	3000	3700
	Cell Rated Current [A]	35	53	70	88	105	131	175	218	260	350	438	525	657
	Max. Applicable Motor Capacity [kW]	160	250	330	410	500	620	850	1000	1250	1700	2080	2500	3150
4kV Class	Model Number	LSMV-041F250	LSMV-041F380	LSMV-041F500	LSMV-041F630	LSMV-041F750	LSMV-041F950	LSMV-041F12H	LSMV-041F15H	LSMV-041F19H	LSMV-041F25H	LSMV-041F31H	LSMV-041F37H	LSMV-041F47H
	Output Capacity [kVA]	250	380	500	630	750	950	1200	1500	1900	2500	3100	3700	4700
	Cell Rated Current [A]	35	53	70	88	105	131	175	218	260	350	438	525	657
	Max. Applicable Motor Capacity [kW]	200	310	410	530	620	790	1000	1250	1580	2080	2650	3150	4000
6kV Class	Model Number [60Hz]	LSMV-066S400	LSMV-066S600	LSMV-066S800	LSMV-066S10H	LSMV-066S12H	LSMV-066S15H	LSMV-066S20H	LSMV-066S25H	LSMV-066S30H	LSMV-066S40H	LSMV-066S50H	LSMV-066S60H	LSMV-066S75H
	Model Number [50Hz]	LSMV-060F400	LSMV-060F600	LSMV-060F800	LSMV-060F10H	LSMV-060F12H	LSMV-060F15H	LSMV-060F20H	LSMV-060F25H	LSMV-060F30H	LSMV-060F40H	LSMV-060F50H	LSMV-060F60H	LSMV-060F75H
	Output Capacity [kVA]	400	600	800	1000	1200	1500	2000	2500	3000	4000	5000	6000	7500
	Cell Rated Current [A]	35	53	70	88	105	131	175	218	260	350	438	525	657
	Max. Applicable Motor Capacity [kW]	330	500	660	850	1000	1250	1700	2080	2500	3400	4100	5000	6200
10kV Class	Model Number	LSMV-100F800	LSMV-100F900	LSMV-100F12H	LSMV-100F15H	LSMV-100F18H	LSMV-100F22H	LSMV-100F30H	LSMV-100F37H	LSMV-100F45H	LSMV-100F60H	LSMV-100F75H	LSMV-100F90H	LSMV-100F11M
	Output Capacity [kVA]	600	900	1200	1500	1800	2200	3000	3700	4500	6000	7500	9000	11000
	Cell Rated Current [A]	35	53	70	88	105	132	175	218	260	350	438	525	657
	Max. Applicable Motor Capacity [kW]	500	700	1000	1250	1500	1800	2500	3150	3800	5000	6200	7200	9300
Power Factor		Around 95% (20%~100% of Load)												
Efficiency		Around 97% (at Rated Load Condition)												
Input THD Current		IEEE Standard 519-1992 Qualified												
Input	Main Current	3 Phase 3kV/3.3kV/4.16kV/6kV/6.6kV/10kV ±10%, 50/60Hz												
	Control Current	3 Phase 220V/380V/440V ±10%, 50/60Hz ±5%												
Output	Rated Voltage	3 Phase 3kV/3.3kV/4.16kV/6kV/6.6kV/10kV Max. 25 level												
	Output Frequency	0~120 Hz												
Control Specification	Control Method	V/F, Sensorless Vector												
	Frequency Accuracy	±0.1%												
	Frequency Setting Resolution	0.01Hz												
	Accel/Decel Time	0.1~6000 sec												
	Overload Capacity	120% per 1 min.												
Operation	Operation Functions	Flying Start, Cell Bypass												
	LCD Keypad	RS232, Modbus-RTU, Key Input												
	MV System View ^{*Note1}	Option : Touch Screen Type LCD												
			12.1 inch wide viewing angle, 144 color TFT-LCD											
Input/Output Signal	Digital	Input: 15ch, Output: 9ch												
	Analog	Input: 3ch (DC 0~10V or 0~20mA)												
Protective (Trip & Alarm)		Over Current, Over Voltage, Low voltage, Ground Fault, Drive Overheat, Motor Overheat, Fan Trip, Overload, Comm. Error, Cell Trip												
Communication		Built-in RS485(or Modbus-RTU) Option : DeviceNet, Profibus-DP, EtherNet-IP, CAN, CANopen, Lonwork												
Structure	Protection Degree	IP21												
	Cell Bypass	Built-in Standard (Auto/Manual Bypass)												
	Cooling Method	Air-Cooling												
Environment	Ambient Temperature	0~40°C												
	Ambient Humidity	Less than 85% RH Max. (Non-Condensing)												
	Altitude	Below 1,000m (3,281ft)												
	Installation	Indoor use only												
Input Transformer		Class H, Air-Cooling Type, N/+5%/10% or -5%/N/+5%												

*Note1) : Option

Model Number

LSMV

Input Voltage
 030 : 3000[V]
 033 : 3300[V]
 041 : 4160[V]
 060 : 6000[V]
 066 : 6600[V]
 100 : 10000[V]

Input Frequency
 F : 50[Hz]
 S : 60[Hz]

Total Capacity
 200 : 200 kVA 15H : 1500 kVA 55H : 5500kVA
 250 : 250 kVA 18H : 1750 kVA 60H : 6000kVA
 300 : 300 kVA 20H : 2000 kVA 70H : 7000kVA
 400 : 400 kVA 25H : 2500 kVA 75H : 7500kVA
 500 : 500 kVA 30H : 3000 kVA 80H : 8000kVA
 600 : 600 kVA 35H : 3500 kVA 90H : 9000kVA
 700 : 700 kVA 40H : 4000kVA 95H : 9500kVA
 800 : 800 kVA 45H : 4500kVA 10M : 10000kVA
 10H : 1000 kVA 50H : 5000kVA 11M : 11000kVA
 13H : 1250 kVA

Product Type
 G1 : 1st Generation

* G : General Type
 R : Regeneration Type

Class	MV VFD Capacity (kVA)													
	200	300	400	500	600	750	1000	1200	1500	2000	2500	3000	3700	4700
3kV	200	300	400	500	600	750	1000	1200	1500	2000	2500	3000	3700	4700
4kV	250	380	500	630	750	950	1200	1500	1900	2500	3100	3700	4700	
6kV	400	600	800	1000	1200	1500	2000	2500	3000	4000	5000	6000	7500	
10kV	600	900	1200	1500	1800	2200	3000	3700	4500	6000	7500	9000	11000	

* As for the specific information, please contact LS Industrial Systems Co., Ltd.