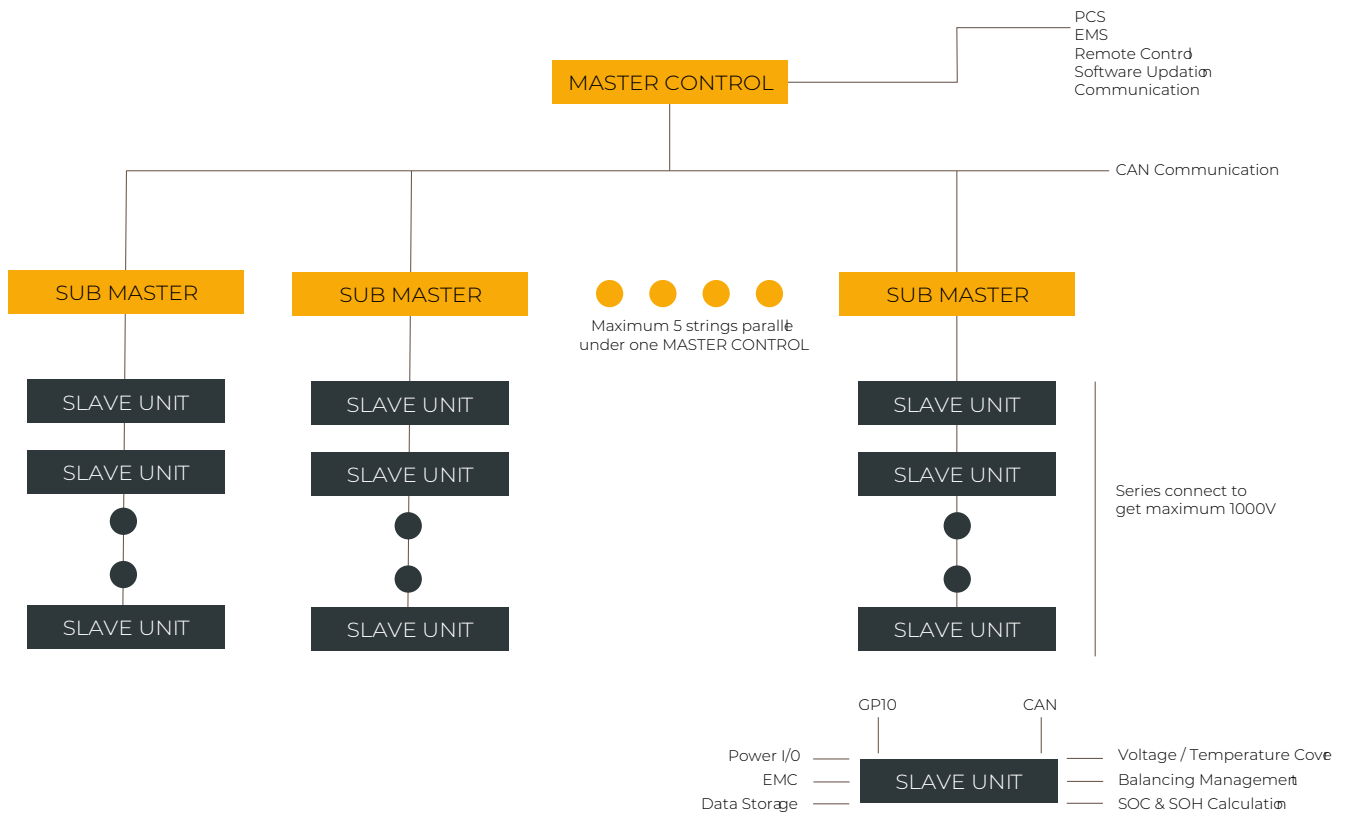


Soltaro High Voltage BMS Structure - 1000V



3.84kwh / 7.68kwh / 4.45 LiFeP04 Battery Module Datasheet

Model	SL-HV-3.84-Superior LiFePD4	SL-HV- 7.68-Superior LiFeP04	SL- HV-4.45-Superior LiFeP04
Cell Technology	LiFeP04	LiFeP04	LiFeP04
Nominal Capacity	3.84KWH	7.68KWH	4.45KWH
Usable Capacity	90% DOD. 3.45KWH	90% DOD. 6.9KWH	80% DOD. 3.56KWH
Nominal Voltage	38.4V	38.4V	76.8V
Voltage Range	34.8V-42.7V	34.8V- 42.7V	68.4V-84.7V
Max Charge/Discharge Current	100A(IC)/100A(IC)	200A(IC)/200A(IC)	58A(I C)/ 116A(2C)
Protection	Over/Less Voltage, Over/Less Current. Over Temperature etc.		
Communication	CAN/RS485	CAN/RS485	CAN/RS485
Charge Temperature Range	0-40°C	0-40°C	0-40°C
Discharge Temperature Range	-20-55°C	-20-55°C	-20-55°C
IP Rating	IP 20	IP 20	IP 20
Calendar Life [Years]	20 years @25°C. 15 years @35°C,10 years @45°C		
Cycling Performance	10,000 cycles at 90% DOD	10,000 cycles at 90% DOD	4,000 cycles at 80 % DOD
Size (W*H*D mm)	519.25*168*349mm	519.25*168*600mm	519.25* 100* 590mm
Weight (KG)	32KG	60KG	33KG
Standard Warranty	10 Years for Materials & Workmanship		

* For detailed hv storage system designing, please contact Soltaro Sales Team

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Basic Module	38.4V/3.84KWH
Connection Method / String	10 modules series connection
Parallel Capability	Maximum 5 strings parallel
Nominal Capability	38.4KWH
Usable Capability	90% DOD, 34.5KWH
Nominal Voltage	384V
Voltage Range	384V - 427V
Max. Charge / Discharge Current	100A(1C)/100A(1C)
Size (W*H*D)mm	625.5*2136*350mm
Weight (KG)	400KG
Communication	ModBUS, RS 485, TCP IP
Compatible PCS/EMS	Sinexcel/Smart1
*Parallel Options (kWh)	38.4/76.8/115.2/153.6/192
Applications	Farmland, office, VPP



Basic Module	38.4V/3.84KWH
Connection Method / String	21 modules series connection
Parallel Capability	Maximum 5 strings parallel
Nominal Capability	80.6KWH
Usable Capability	90% DOD, 72.5KWH
Nominal Voltage	806V
Voltage Range	718V - 889V
Max. Charge / Discharge Current	100A(1C)/100A(1C)
Size (W*H*D)mm	1250.5*2136*350mm
Weight (KG)	810KG
Communication	ModBUS, RS 485, TCP IP
Compatible PCS/EMS	KACO, Refusol, SMA/Smart1
*Parallel Options (kWh)	80.6/161.2/241.8/322.4/403
Applications	Farmland, office, VPP



Basic Module	38.4V/7.68KWH
Connection Method / String	10 modules series connection
Parallel Capability	Maximum 5 strings parallel
Nominal Capability	76.8KWH
Usable Capability	90% DOD, 69.1KWH
Nominal Voltage	384V
Voltage Range	348V - 427V
Max. Charge / Discharge Current	200A(1C)/200A(1C)
Size (W*H*D)mm	625.5*2136*608.47mm
Weight (KG)	700KG
Communication	ModBUS, RS 485, TCP IP
Compatible PCS/EMS	Sinexcel, KACO/Smart1
*Parallel Options (kWh)	76.8/153.6/230.4/307.2/384
Applications	Containize Storage



Basic Module	38.4V/7.68KWH
Connection Method / String	21 modules series connection
Parallel Capability	Maximum 5 strings parallel
Nominal Capability	161.2KWH
Usable Capability	90% DOD, 145.1KWH
Nominal Voltage	806V
Voltage Range	718V - 889V
Max. Charge / Discharge Current	200A(1C)/200A(1C)
Size (W*H*D)mm	1250.5*2136*608.47mm
Weight (KG)	1420KG
Communication	ModBUS, RS 485, TCP IP
Compatible PCS/EMS	KACO, Refusol, SMA/Smart1
*Parallel Options (kWh)	161.2/322.4/483.6/644.8/806
Applications	Containize Storage



Basic Module	76.8/4.45KWH
Connection Method / String	11 modules series connection
Parallel Capability	Maximum 5 strings parallel
Nominal Capability	49.9KWH
Usable Capability	80% DOD, 39.1KWH
Nominal Voltage	844V
Voltage Range	752V - 931V
Max. Charge / Discharge Current	58A(1C)/116A(2C)
Size (W*H*D)mm	625*1600*590mm
Weight (KG)	400KG
Communication	ModBUS, RS 485, TCP IP
Compatible PCS/EMS	Sinexcel, KACO/Smart1
*Battery Capacity/Max. Discharge	48.9kwh/97.8kw, 97.8kwh/195.6kw
Power (KWH-KW) Options	146.7kwh/293.4KW, 195.6kwh/391.2kw
	244.5kwh/489kw
Applications	EV Charger/FR/UPS etc.

COMPATIBLE BRANDS

smart1
THE SMART ONE

REFUSOL

Sinexcel

KACO

new energy.

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