PLEASE NOTE

With some types of lithium battery, the BMS cannot be controlled by the Sunsynk inverter. In this case, treat the battery as a lead-acid type and set the charging and discharging protocol following the battery manufacturer specification.

It is important to refer to the manuals that manufacturers produce for their batteries. That way, the chance of errors occurring during installation are greatly reduced. Below there is a list of batteries that has been examined, tested, and approved by Sunsynk.

Brand	Model	48V Storage Inverter	RS485 or CAN	Inverter Setup	Notes
DYNESS	B4850	✔	CAN	0	
	POWERBOXF			0	
SolarMD	SS4074	✔	CAN	0	To be used with V2 Logger http://solarmd.co.za/ inverter-compatibility-so-larmd/ sunsynk-and-solar-md/
	SS4037			0	
	SS202			0	
SHOTO	SDC10-Box 5	✔	CAN	0	

SUN SYNK®

Brand	Model	48V Storage Inverter	RS485 or CAN	Inverter Setup	Notes
PYLON	US2000B	✓	CAN	0	
			RS485	12	
	US3000		CAN	0	
			RS485	12	
	US2000C		CAN	0	
			RS485	12	
	US3000C		CAN	0	
			RS485	12	
	UP5000		CAN	0	
			RS485	12	
	US5000		CAN	0	
			RS485	12	
	Force L1		CAN	0	
			RS485	12	
	Force L2		CAN	0	
			RS485	12	
HUBBLE	AM-2 5.5KW	✓	CAN	0	
SACRED SUN	SSIF2P15S48100C	✓	RS485	1	Cut Line 3, 6, 8
	FCIFP48100A		RS485	1	
	SSIFP48100A		RS485	1	
UZ ENERGY	UZ-EB51.2-100ALL	✓	CAN	0	
GenixGreen	ESS-5120	✓	RS485	6	
	ESS-10240		RS485	6	
	ESS-BOX2		RS485	6	
	ESS-BOX3		RS485	6	
	ESS-BOX4		RS485	6	
Sunwoda	H4850M	✓	RS485	7	
VISION Group	V-LFP51.2V100Ah-5KW	✓	CAN	13	
	VLFP51.2V200Ah-5KW		CAN	13	
Alpha Ess	M4856-P	✓	CAN	0	
	SMILE BAT		CAN	0	
GSL ENERGY	GSL051100A-B-GBP2	✓	CAN	0	
	GSL051200A-B-GBP2		CAN	0	
	GSL051280A-B-GBP2		CAN	0	
	ZnP48100ESA1		CAN	0	
	GSL-51-100		CAN	0	
	GSL-51-200		CAN	0	
TOPBAND	TB51100F-T110	✓	CAN	0	
	TB51120-T110		CAN	0	

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Brand	Model	48V Storage Inverter	RS485 or CAN	Inverter Setup	Notes
Weco	4K4 LV	✓	CAN	0	
	5K3 LV		CAN	0	
DOWELL	IPACK		CAN	0	
	C3.3/IPACK	✓	CAN	0	
	C6.5/IPACK C10		CAN	0	
Giter	G2500-48V	✓	CAN	0	
	G5040-48V		CAN	0	
CF Energy	CFE2400		CAN	0	
	CFE5100	✓	CAN	0	
	CFE5100S		CAN	0	
Batterich/ Greenrich	UP3686		CAN	0	
BYD	BYD Battery-Box LV Flex Lite		CAN	0	
Narada	48NPFC80		RS485	16	RJ45 Pin 1: GND RJ45 Pin 2: RS485_A RJ45 Pin 3: RS485_B RJ45 Pins 4, 5, 6, 7, 8: No Connection Single-phase Hybrid Inverter Comm version is E41E Single-phase Hybrid Inverter Comm version is 1001 - E016
	48NPFC100		RS485	16	
	48NPFC150		RS485	16	
	48NPFC200		RS485	16	
Deye	SUNB-5.0-C01-48-PC		CAN	0	
	SUNB-5.0-E01-48-PC		CAN	0	
	SUNB-5.0-G01-48-PC		CAN	0	
AOBOET	Uhome-LFP 5000		CAN	0	
	Uhome-LFP 2400		CAN	0	
Wattsonic	Li-LV battery series	✓	CAN	14	
KODAK	FL5.2	✓	CAN	0	
Fox ess	LD-48100P	✓	RS485	1	
PYTES Energy	E-BOX 48100R		CAN	0	
BST	MD48-100		CAN	0	
	MD48-50		CAN	0	
Highstart	HSD4870		CAN	0	
Rosen Solar Energy	LFP48V200AH		CAN	0	

SUN SYNK®

Brand	Model	48V Storage Inverter	RS485 or CAN	Inverter Setup	Notes
ZRGP	ZR-FC48100-1630J1		CAN	0	
	ZR-FS4850-16OSJ1		CAN	0	
	ZR-FS48100-16OSJ1		CAN	0	
	ZR-PBX1		CAN	0	
BALANCELL	P26		CAN	0	
	P27		CAN	0	
Shanghai Green Tech Co.,Ltd.	GTEM-48V2500		RS485	12	
Unipower	UPI.FP4845		RS485	15	
LD	LD-100P210J		RS485	17	
BSL	B-LFP51.2V 100Ah		CAN	0	Float voltage 54.5V Absorption V 55.00V Disable equalisation 0 Days Shutdown 20% Low Batt 35% Restart 50%
	B-FLP51.2V 125Ah				
	B-LFP48-130E 51.2V 130Ah				
	B-LFP48-160E 51.2V 160Ah				
	B-LFP51.2V 200Ah Powerwall				
Enersol	lithium 48-100		CAN	0	BMS cable – straight RJ45 cable (no need to change pin outs on cable) Dip Switch settings is 1000 (for single battery)
Blue Nova HC	BN52V-280-14.5K HC		CAN	0	Can be used with or without BMAC
	BN52V-560-29K HC		CAN	0	https://www.bluenova.co.za/wp-content/uploads/2015/11/BN-User-Manual-HC_v102.pdf
	BN52V-840-43.6K HC		CAN	0	
	BN52V-1120-58.2K HC		CAN	0	CANH = Pin 7
	BN52V-1400-72.8K HC		CAN	0	CANL = Pin 8
Blue Nova Rack Series	BN52V-840-43.6K BR		CAN	0	BlueNova-BMAC-Manual-v4.pdf
	BN52V-1120-58.2K BR		CAN	0	
Blue Nova Rackpower	RacPower BN52-100-5.2K BP		CAN	0	
	RacPower BN52-100-5.2K DU		CAN	0	

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