



The list of compatibility between Dyness ESS and Inverters 2021.10 V1.6.3

Low Voltage													
Inverter		Battery				Communication	Cable Supply	Coupling Type	Application	Key Features	Firmware Version	Installation	System Type
Brand	Type	B4850	B3	Powerbox Series	Powercube Series								
GOODWE	GW3648D-ES/GW5048D-ES/BP/SBP/EM			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
GROWATT	SPA/SPH3000/3600/4000/4600/5000/6000			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
GROWATT (SANKO/Socar)	SPF 3000TL HVM-48/ SPF 5000TL HVM-P/SPF 3000TL (High Frequency) HVM-P/ SPF 12KT HVM (Power frequency) M3000H-48, M5000H-48, M5000H-48BP (High Frequency) M12000L-48, M12000L-48SP (4KW/5KW/8KW/8KW/10KW/12KW)(Power frequency)			OK		RS485	RJ45	DC	Off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
GROWATT	SPF 5000ES			OK		RS485(9600)/CAN	RJ45	DC	Off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
SOFAR	HYD3000-ES			OK		CAN	RJ45	AC	On-gird	Activation: No; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
SOLIS	RHI-3K/3.6K/5K-48ES/RHI-3K-48ES-5G/RHI-3.6K-48ES-5G/RHI-5K-48ES-5G/RHI-6K-48ES-5G			OK		CAN	RJ45	DC	On/off-gird	Activation:pv only; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
LUXPOWER	LXP 3K/3.6K/4K/4.6K/5K Hybrid LXP 3600 ACS series/SNA5K(off-grid)			OK		CAN	RJ45	DCAC	On-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
VICTRON	Multiplus/Quattro 48			OK		CAN	RJ45	DC	Off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
IMEON	IMEON 3.6/9.12			OK		CAN	RJ45	DC	On-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
DEYE	SUNSYNK PARITY INVERTER 5000W/7600W/8000W /SUN-SKSG03LP1-EU			OK		CAN	RJ45	DC	On-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
SMA	Sunny Island 4.4M /6.0H/8.0H			OK		CAN	RJ45	DC	Off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
INFINI/VOLTRONIC	Infinisolar series 48V /Xpert-King series48V with communication Card			OK		RS485	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
INFINI/VOLTRONIC	Xpert-King MKS Modbus Duo Box/Xpert-King VM (RS485 PN-protocol)			OK		RS485	RJ45	DC	off-gird	Activation: Yes; Force charge: Yes;	20200904	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
INFINI/VOLTRONIC(Mercer)	ICC			OK		RS232(115200)	RJ45	DC	Off-gird	Use as Lead-Acid Mode	20200529(cc)	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
GMDE	3700TL			OK		RS485	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/Powerbox series/powerDepot etc.
SUNGROW	SH5K-30			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
RENAC	ESC5000-DS			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
DELIOS	DLS-300C, DLS-450C, DLS-600C			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
SAJ	Sunfree Series			OK		RS485(9600)/CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/Powerbox series/powerDepot etc.
SAJ	H1-3k-S2			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/Powerbox series/powerDepot etc.
SERMATEC	SMT-5K-TL-LV			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
Studer Innotec	Xtender 48V serie VarioString serie VarioTrack 48V serie			OK		CAN	RJ45	DC	On/off-gird	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.

SUNRAY	MPS series 1/3/5kva	OK	/	/	DC	Off-grid	Use as Lead-Acid Mode	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
TBB	Kinergie Pro CK8.0S	OK	CAN	RJ45	DC	Off-grid	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
MUST	PV18 2-5.5KW /PH18 2-5.5KW	OK	CAN	RJ45	DC	On/off-grid	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
Sorotec	REVO II 3.2K-48 /REVO II 5.5K-48	OK	CAN	RJ45	DC	On/off-grid	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B4/Powerbox series/powerDepot etc.
TSUN	TSOL-H5.0K-H	OK	CAN	RJ45	DC	On/off-grid	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.
MAGAREVO	R5KL1	OK	CAN	RJ45	DC	On/off-grid	Activation: Yes; Force charge: Yes;	20191231	Wall mounting Floor standing	B4850/B3/Powerbox series/powerDepot etc.

High Voltage

Inverter		Battery				Application	Coupling type	Communication	Cable Supply	Key Features	Firmware Version	Installation	System Type
Brand	Type	H3	Tower	Powercube high vol	Rack high vol								
LUXPOWER	LXP-PCS6T			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqg3_736r16 mp38dqg3_738r11	Floor standing	H8025 10kW/16kWh
GOODWE	GW5000-EH/ET			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge no communication 10min shut down	m38dqgw_736i	Floor standing	EH: T7/T10/T14; ET: T10/T14/T17
GROWATT	SPH 10000TL3 BH			OK		On/Off grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	GRT Protocol: m38growatt_736j Standard Protocol: m38dqphv_736U	Floor standing	T7/T10/T14/T17
SERMATEC	SMT-10K/30K/50K-TL-TH			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736m	Floor standing	T10/T14/T17/T21
ATESS (HPS inverter)	HPS 100/5000/7500/10000TLS			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqates_736k	Floor standing	HPS5000TLS:T7/T10/T14 HPS7500TLS:T14/T17/T21
SINEXCEL	PWS2-30K-EX / PWS1-50K			OK		On-grid	DCAC	485	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736u	Floor standing	/
SOLIS	RHI-3P(5-10)K-HVES-5G			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736u	Floor standing	T7/T10/T14/T17
Hoymiles	HY3 Series			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736m	Floor standing	T7/T10/T14
Ecactus	WH-SPA-3.6HWH-SPA-5.0H			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736u	Floor standing	T7/T10/T14
Sofar	HYD 15KTL-3PH			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736ai	Wall mounting	T10/T14/T17
Sunways	STH-12KTL-HT-CN			OK		On-grid	DCAC	CAN	RJ45(Modbus)	Activation:Yes Force charge: Yes(SOC<10%) SoC<10% fobid discharge	m38dqphv_736ai	Wall mounting	T10/T14/T17/T21