

INGECON SUN STORAGE 1PLAY TL M

LIST OF APPROVED LITHIUM-ION BATTERIES

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1 INTRODUCTION

The lithium-ion batteries of the following manufactures are approved for the Ingeteam Storage System with the INGECON SUN STORAGE 1PLAY TL M (Multi-string).



2 LIST OF APPROVED LITHIUM-ION BATTERIES

Manufacturer	Type	Minimum Firmware Version		Stand-Alone / UPS(Backup)	Self-Consumption
		Battery	Inverter	Comment	Comment
LG Chem (Low Voltage)	RESU6.5 6,5kWh, 48V, 66A max	---	ABH1007_D	See Note 1)	See Note 1)
	RESU10 10kWh, 48V, 66A max				
Freedom Won	Lite Home 48V	---	ABH1007_	See Note 1)	See Note 1)
	Lite HV Series	---	ABH1007_	✓	✓
BYD (High Voltage)	B-BOX PREMIUM HVS	BMU 3.15 BMS 3.22	ABH1007_D	✓	✓
	HVS 5.1 (5.12kWh, 204V)				
	HVS 7.7 (7.68kWh, 307V)				
	HVS 10.2 (10.24kWh, 409V)				
	B-BOX PREMIUM HVM				
	HVM 8.3 (8.28kWh, 153V)				
	HVM 11.0 (11.04kWh, 204V)				
	HVM 13.8.0 (13.8kWh, 256V)				
HVM 16.6 (16.56kWh, 307V)					
HVM 19.3 (19.32kWh, 358V)					
HVM 22.1 (22.08kWh, 409V)					
PYLONTECH (Low Voltage)	US2000 / US2000C / US2000Plus	---	ABH1007_D	See Note 1)	See Note 1)
	US3000/ US3000C/ UP5000/ US5000/ Pelio				
	Phantom-S / Force-L1 / Force-L2				

PYLONTECH (High Voltage) http://www.pylontech.com.cn/	Force H1: (336V74Ah) 37A max 2 modules 7kWh, 96V 3 modules 10.5kWh, 144V 4 modules 14kWh, 192V 5 modules 17.5kWh, 240V 6 modules 21kWh, 288V 7 modules 24.5kWh, 336V Force H2: (384V37Ah) 37A max 2 modules 7kWh, 192V 3 modules 10.5kWh, 288V 4 modules 14kWh, 384V	V1.3	ABH1007_	✓	✓
	Powercube X1 (336V50Ah) 50A max BMS: SC0500-100S 3 modules 7.2kWh, 144V 4 modules 9.6kWh, 192V 5 modules 12kWh, 240V 6 modules 14.4kWh, 288V 7 modules 16.8kWh, 336V Powercube X1 (384V50Ah) 40A max BMS: SC0500-40S * 2 modules 4.8kWh, 96V * 3 modules 7.2kWh, 144V 4 modules 9.6kWh, 192V 5 modules 12kWh, 240V	V4.6			

	<p>6 modules 14.4kWh, 288V 7 modules 16.8kWh, 336V * 8 modules 19.2kWh, 384V *</p> <p>* BMS Article Number SC0500NA02V00401 or lower cannot use in 2 or 8 modules.</p> <p>Powercube X2 (336V74Ah) 74A max BMS: SC0500-100S</p> <p>3 modules 10.65kWh, 144V 4 modules 14.20kWh, 192V 5 modules 17.76kWh, 240V 6 modules 21.31kWh, 288V 7 modules 24.86kWh, 336V</p> <p>Powercube X2 (384V74Ah) 40A max BMS: SC0500-40S</p> <p>* 2 modules 7.10kWh, 96V * 3 modules 10.65kWh, 144V 4 modules 14.20kWh, 192V 5 modules 17.76kWh, 240V 6 modules 21.31kWh, 288V 7 modules 24.86kWh, 336V * 8 modules 28.41kWh, 384V *</p> <p>* BMS Article Number SC0500NA02V00401 or lower cannot use in 2 or 8 modules.</p>				
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BlueNova	Bluetooth series: 66A max 52V,104V,156V,208V	V5.13	ABH1007_B	For 52V battery, see Note 1)	For 52V battery, see Note 1)
BeePlanet	BeeBattery Home 4 4kWh, 90V, 66A max BeeBattery Home 8 8kWh, 90V, 66A max BeeBattery Home 12 12kWh, 90V, 66A max	V1.0	ABH1007_B	✓	✓
	Home ESS 6 6kWh, 182V, 15A max Home ESS 12 12kWh, 182V, 30A max	V4.1.6	ABH1007_L	✓	✓
WECO Dual Voltage (Low Voltage) https://wecobatteries.com/dual-voltage-2/	WECO 5K3 LV: 66A max <u>Modules in PARALELL:</u> 1 module 5.3kWh, 52V 2 modules 10.4kWh, 52V 3 modules 15.6kWh, 52V 4 modules 20.8kWh, 52V 5 modules 26kWh, 52V	---	ABH1007_I	See Note 1)	See Note 1)
WECO Dual Voltage (High Voltage) https://wecobatteries.com/dual-voltage-2/	HV-BOX * + WECO 5K3 <u>Modules in SERIE:</u> 2 modules 10.4kWh, 104V 3 modules 15.6kWh, 156V 4 modules 20.8kWh, 208V 5 modules 26kWh, 260V 6 modules 31.2kWh, 312V 7 modules 36.4kWh, 364V	HV-BOX: 8.17 WECO 5K3: ---	ABH1007_J	✓	✓

	* HV-BOX_G2 (80-750Vdc)				
CEGASA (Low Voltage)	<p>eNerlit 5160 + TCC: 66A max</p> <p><u>Modules in PARALELL:</u></p> <p>1 module 3.1kWh, 51.2V 2 modules 6.2kWh, 51.2V 3 modules 9.3kWh, 51.2V 4 modules 12.4kWh, 51.2V 5 modules 15.5kWh, 51.2V 6 modules 18.6kWh, 51.2V 7 modules 21.7kWh, 51.2V 8 modules 24.8kWh, 51.2V</p> <p>eBick Ultra 175 + TCC: 66A max</p> <p><u>Modules in PARALELL:</u></p> <p>1 module 13.5kWh, 48V 2 modules 27kWh, 48V 3 modules 40.5kWh, 48V 4 modules 54kWh, 48V</p>	TCC: 15065d3	ABH1007_J	See Note 1)	See Note 1)
DYNESS (Low Voltage)	B3 / B4850 / POWERBOX / A48100 / B48100 / BX48100 / BX51100	---	ABH1007_J	See Note 1)	See Note 1)
DYNESS (High Voltage)	HV TOWER	---	ABH1007_P	✓	✓

GREENHEISS (Low Voltage)	GH-LI 2.4 PLUS GH-LI 2.4 IRON	PLUS: --- IRON: V2.3	ABH1007_J	See Note 1)	See Note 1)
GREENHEISS (High Voltage)	GH-HV KOMBI	---	ABH1007_P	✓	✓
TURBO ENERGY (Low Voltage)	Lithium Series Dual 48V 5.1 kWh Lithium Series Slim 48V 2.4 kWh	---	ABH1007_M	See Note 1)	See Note 1)
STEALTH (Low Voltage)	SP-HE4850 2.4kWh	---	ABH1007_Q	See Note 1)	See Note 1)
PYTES (Low/High Voltage)	E-BOX Series 5kWh	---	ABH1007_Q	See Note 1)	See Note 1)

Note: 1) The maximum power the inverter can transfer to/from the battery is 3100W. This is due to the fact that the inverter is limited to transfer 66A to this Low Voltage Battery.

3 REVISION HISTORY

Revision	Date	Change Description	Author
_	16/01/2020	Initial document	D.B.R.
_A	22/07/2020	BlueNova battery added BeeBattery Home added	D.B.R.
_B	16/10/2020	Pylontech HV batteries added BYD Battery-Box Premium added Pylontech LV batteries added	D.B.R.
_C	10/03/2021	BYD Battery-Box Premium minimum FW fixed	D.B.R.
_D	15/09/2021	WECO Dual Voltage 5K3 LV battery added	D.B.R.
_E	08/02/2022	Pylontech LV batteries added WECO Dual Voltage HV-BOX + 5K3 HV battery added CEGASA eNerlit 5160 and eBick Ultra 175 batteries added Dyness LV batteries added GREENHEISS GH-LI 2.4 PLUS y GH-LI 2.4 IRON	D.B.R.
_F	24/06/2022	BeePlanet HOME ESS 6kWh y 12kWh batteries added	D.B.R.
_G	22/09/2022	US5000 series of Pylontech LV added TURBO ENERGY SLIM / DUAL LV added	D.B.R.
_H	20/01/2023	Dyness LV A48100 / B48100 / BX48100 / BX51100 added	D.B.R.
_I	10/03/2023	Dyness HV TOWER added GREENHEISS GH-HV KOMBI added	D.B.R.
_J	04/05/2023	PYLONTECH Pelio LV added STEALTH SP-HE4850 LV added PYTES E-BOX Series LV/HV added	D.B.R.