INGECON SUN STORAGE 1PLAY TL M

LIST OF APPROVED LITHIUM-ION BATTERIES

ABH2010IMB09_N

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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 **RESU10** 10kWh, 48V, 66A max	---	ABH1007_D	See Note 1)	See Note 1)
Freedom Won	**Lite Home** 48V	---	ABH1007_	See Note 1)	See Note 1)
	Lite HV Series	---	ABH1007_	✓	✓
BYD **(High Voltage)**	**B-BOX PREMIUM HVS** 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)	BMU 3.15 BMS 3.22	ABH1007_D	✓	✓
PYLONTECH **(Low Voltage)**	**US2000 / US2000C / US2000Plus** **US3000/ US3000C/ UP5000/ US5000/ Pelio** **Phantom-S / Force-L1 / Force-L2**	---	ABH1007_D	See Note 1)	See Note 1)

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			

	6 modules 14.4kWh, 288V 7 modules 16.8kWh, 336V * 8 modules 19.2kWh, 384V * * BMS Article Number SC0500NA02V00401 or lower cannot use in 2 or 8 modules. **Powercube X2 (336V74Ah) 74A max** **BMS: SC0500-100S** 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 **Powercube X2 (384V74Ah) 40A max** **BMS: SC0500-40S** * 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 * * BMS Article Number SC0500NA02V00401 or lower cannot use in 2 or 8 modules.				

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** Modules in PARALELL: 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** Modules in SERIE: 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)**	**eNerlit 5160 + TCC: 66A max** 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 **eBick Ultra 175 + TCC: 66A max** 1 module 13.5kWh, 48V 2 modules 27kWh, 48V 3 modules 40.5kWh, 48V 4 modules 54kWh, 48V	TCC: 15065d3	ABH1007_J	See Note 1)	See Note 1)
CEGASA **(High Voltage)**	**E/Scal HV Home** 2 modules 12kWh, 111V 3 modules 17kWh, 173V 4 modules 23kWh, 230V 5 modules 29kWh, 288V 6 modules 35kWh, 346V 7 modules 40kWh, 403V	---	ABH1007_X		
DYNESS	**B3 / B4850 / A48100 / B48100 / BX48100**	---	ABH1007_V	See Note 1)	See Note 1)

(Low Voltage)	**BX51100 / PowerBox Pro / PowerBox G2** **DL3.6 / DL5.0 / DL5.0C** **PowerDepot H5B / PowerBrick**				
DYNESS **(High Voltage)**	**HV TOWER**	---	ABH1007_P	✓	✓
GREENHEISS **(Low Voltage)**	**GH-LI 2.4 PLUS** **GH-LI 2.4 IRON** **GH-LI 5 WHITE**	PLUS: --- IRON: V2.3 WHITE: --	ABH1007_Z	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)
LiFeTech **(Low Voltage)**	**LIE01000012**	---	ABH1007_T	See Note 1)	See Note 1)
LiFeTech **(High Voltage)**	**PowerBase Mate HV** 2 modules 9.6kWh, 192V 3 modules 14.4kWh, 288V 4 modules 19.2kWh, 384V	---	ABH1007_Z		

	* 5-6 modules not supported *				
Hina ESS **(Low Voltage)**	**PowerGem 14kWh 51V** **Hi-5 module 5,12kWh 51V**	---	ABH1007_X	See Note 1)	See Note 1)
Hina ESS **(High Voltage)**	**PowerStack** 2 modules 10kWh, 140V 3 modules 15kWh, 211V 4 modules 20kWh, 282V 5 modules 25kWh, 352V	---	ABH1007_X		
SUNWODA **(Low Voltage)**	**ATRIX module 5kWh 51V**	---	ABH1007_Z	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.
_K	25/01/2023	LiFeTech LV added	D.B.R.
_L	21/01/2025	Dyness PowerBox G2 / DL5.0C / PowerBrick Added	D.B.R.
_M	19/05/2025	CEGASA E/Scal HV Home Added Hina ESS LV Added Hina ESS HV Added	D.B.R.
_N	01/07/2025	LiFeTech HV added GH-LI 5 WHITE added SUNWODA LV ATRIX added	D.B.R.