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Successful compatibility tests between the Sunny Island inverters & Pylontech US3000C and Pylontech US5000 batteries

To whom it might concern:

Currently, the Pylontech US3000C and US5000 low voltage batteries successfully finished the official integration tests with Sunny Island models 4.4.M/6.0H/8.0H and SI 6048US. The batteries are fully compatible and are already included on the list of approved batteries (document "SI-Lilon-TI-en-xx.pdf") but only with the Sunny Island models 4.4.M/6.0H/8.0H. Since these batteries got the UL certification they will also appear in the next version, of the named document, together with the SI 6048US.

Preliminary system tests by the battery manufacturer Pylontech for the US3000C and US5000 batteries, have been successful too. System tests of battery and inverter are performed for all relevant applications and include Ongrid, Backup and Offgrid capabilities, as well as configurations as single phase but also as three-phase systems.

Additionally, the following tables help to choose the right minimal number of modules depending on the system application:

For the Sunny Island models 4.4.M/6.0H/8.0H:

Application	1~/3~	Inverter	US3000C Systems	US5000 Systems	Cable sets
Backup/Off-grid	1~pha-sig	SI 4.4M	≥2	≥2	2
		SI 6.0H	≥3	≥2	3
		SI 8.0H	≥4	≥3	3

	3~phasig	SI 4.4M	≥6	≥4	4
		SI 6.0H	≥9	≥6	6
		SI 8.0H	≥11	≥8	8

For the Sunny Island 6048US:

Application	1~/3~/Split-phase	Inverter	US3000C System	US5000 System	Cable sets
Backup/Off-grid	1~phasig	SI 6048US	≥4	≥2	2
	Split-phase	SI 6048US	≥7	≥4	4
	3~phasig	SI 6048US	≥11	≥6	6
	Double-split-phase	SI 6048US	≥14	≥8	8

Yours sincerely

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