

Pylontech Batteries

FORCE H1/H2 and the SOLARMAX ES-T

The ideal symbiosis between
a battery and a hybrid inverter
Pylontech and **SOLARMAX ES-T**



Perfectly coordinated
SOLARMAX ES-T and Pylontech
FORCE H1/H2

Very fast and easy assembly,
all connections pluggable

Flexible in the capacity of
7,10 ~ 24,86 kWh

Very attractive appearance for SFH



Pylontech Batteries FORCE H1/H2

Technical Specification

Gross battery capacity Pylontech FORCE H1 and H2	FORCE H2 7.10 kWh	FORCE H2 10.65 kWh	FORCE H2 14.20 kWh	FORCE H1 17.76 kWh	FORCE H1 21.31 kWh	FORCE H1 24.86 kWh
Max. charge/discharge capacity with 5 ES-T*	3.5 kW	5.0 kW	5.0 kW	5.0 kW	5.0 kW	5.0 kW
Max. charge/discharge capacity with 6 ES-T*	3.5 kW	5.3 kW	6.0 kW	6.0 kW	6.0 kW	6.0 kW
Max. charge/discharge capacity with 8 ES-T*	3.5 kW	5.3 kW	7.1 kW	6.0 kW	7.2 kW	8.0 kW
Max. charge/discharge capacity with 10 ES-T*	3.5 kW	5.3 kW	7.1 kW	6.0 kW	7.2 kW	8.4 kW
Nominal voltage battery	192 V	288 V	384 V	240 V	288 V	336 V
Number of batteries	2 x H2	3 x H2	4 x H2	5 x H1	6 x H1	7 x H1
DOD	90 %	90 %	90 %	90 %	90 %	90 %

(*) Depending on battery charge level and temperature

Product Type	FORCE H2 7.10 kWh	FORCE H2 10.65 kWh	FORCE H2 14.20 kWh	FORCE H1 17.76 kWh	FORCE H1 21.31 kWh	FORCE H1 24.86 kWh
Battery capacity	7.10 kWh	10.65 kWh	14.20 kWh	17.76 kWh	21.31 kWh	24.86 kWh
Battery voltage	192 Vdc	288 Vdc	384 Vdc	240 Vdc	288 Vdc	336 Vdc
Name of the battery controller	FC0500M-40S			FC0500-40S		
Cell Technology	Li-ion (LFP)			Li-ion (LFP)		
Name of the battery module	FH9637M			FH48074		
Quantity battery module	2 Stck.	3 Stck.	4 Stck.	5 Stck.	6 Stck.	7 Stck.
Battery system charging current (standard)	7.4 A			14.8 A		
Battery system charging current (normal)	18.5 A			37 A		
Discharge current in battery system (standard)	7.4 A			14.8 A		
Discharge current in battery system (normal)	18.5 A			37 A		
Efficiency	96 %			96 %		
Discharge depth	90 %			90 % (8 - 98 % SOC)		
Dimensions (W x D x H)	822 mm	1,118 mm	1,414 mm	1,040 mm	1,210 mm	1,380 mm
Communication	Modbus RTU \ CAN			Modbus RTU \ CAN		
Protection class	IP55			IP55		
Weight	82 kg	117 kg	152 kg	194 kg	230 kg	266 kg
Operating temperature	0 ~ 50 °C			0 ~ 50 °C		
Storage temperature	- 20 ~ 60 °C			- 20 ~ 60 °C		
Humidity	5 ~ 95 %			5 ~ 95 %		
Product Certificate	VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE			VDE2510-50, IEC62619, UL1973, IEC62477-1, IEC62040-1, CEC, CE		
Transfer Certificate	UN38.3			UN38.3		
Dimensions of the battery controller (W x D x H)	450 mm x 296 mm x 190 mm			600 mm x 380 mm x 150 mm		
Dimensions of the battery module (W x D x H)	450 mm x 296 mm x 296 mm			600 mm x 380 mm x 170 mm		
Dimensions of the battery base (W x D x H)	450 mm x 296 mm x 40 mm			600 mm x 380 mm x 40 mm		

(*) All data of the battery manufacturer Pylontech can be found on the Internet. Subject to change without notice.



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