Single Phase Hybrid Storage Inverter

7-12 kW



The Afore AF low voltage series storage Inverters are designed to increase energy independence for homeowners. The power range is from 7kW to 12kW, compatible with low voltage (40-60V) batteries.

Energy management is based on time-of-use and demand charge rate structures, which significantly reduce the amount of energy purchased from the public grid.

Thanks for the UPS function (switch time < 10ms), that enables the crucial loads power on during outages. Additionally, under the backup operation mode, the inverter provides you up to 150% peak output overloading.

The Afore energy storage inverter features Smart Electricity Pricing & Automation, an energy management tool based on real-time electricity pricing strategies. It continuously monitors electricity price fluctuations and dynamically adjusts device operation accordingly. Operating 24/7 fully automatically without the need for manual intervention, it helps users optimize their electricity usage and reduce energy costs.



AI EMS Electricity Pricing



MAX. 370A Max. Charge/ Discharge Current 370A



1.5 Times PV Oversize



MPPT CHANNELS Up to 2 MPPT Channels



UPS FUNCTION Switch Time < 10ms



PARALLEL Max.6 Parallel Stacking



INPUT

Higher Yields		
upport for Time-of-use Optimization	Ø	
Configurable Operation Modes		



Compact Size and Easy Installation

Build in Anti-feed-in Function





Smart Monitoring & Remote Firmware Upgrade

12 200 - 850 12 250 200 37 8 37/35 1 defa 37 8 55.5/52.5	32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	900 250 - 850 60 10 18.5 + 25 7 2 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 7 230 60 0.8 leading to 0.8 lag	16.5 275 - 850 16.5 340 275 50 11 50 / 48	18 300 - 850 18 370 300 55 12 55 / 52					
200 - 850 12 250 200 37 8 37/35 1 defa 37 8 55.5/52.5	95 80 - 225 - 850 65 10 26 + 32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	100 9000 250 - 850 100 18.5 + 25 2 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 230 60 0.8 leading to 0.8 lag	16.5 340 275 50 11 50 / 48	18 370 300 55 12					
12 250 200 37 8 37/35 1 defa 37 8 55.5/52.5	80 - 225 - 850 65 10 26 + 32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	900 250 - 850 60 10 18.5 + 25 7 2 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag	16.5 340 275 50 11 50 / 48	18 370 300 55 12					
12 250 200 37 8 37/35 1 defa 37 8 55.5/52.5	225 - 850 65 10 26 + 32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	250 - 850 30 30 318.5 + 25 7 2 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag 3	16.5 340 275 50 11 50 / 48	18 370 300 55 12					
12 250 200 37 8 37/35 1 defa 37 8 55.5/52.5	10 26 + 32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	18.5 + 25 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 230 60 0.8 leading to 0.8 lag	16.5 340 275 50 11 50 / 48	18 370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	10 26 + 32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	18.5 + 25 / 2 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 / 230 / 60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	26 + 32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	18.5 + 25 / 2 15 310 250 .2 60 d-acid etc. 46 10 46 / 44 / 230 / 60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	32 2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	+ 25 15 310 250 .2 .60 d-acid etc. 46 10 46 / 44 230 60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	2 / 13.5 280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	15 310 250 .2 60 d-acid etc. 46 10 46 / 44 230 60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	13.5 280 230 51 40 - Li-ion / Lea 41 9 41/39 220 / 50 / ult (adjustable from	15 310 250 .2 60 d-acid etc. 46 10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	310 250 .2 .60 d-acid etc. 46 10 46 / 44 (230 (60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
250 200 37 8 37/35 1 defa 37 8 55.5/52.5	280 230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	310 250 .2 .60 d-acid etc. 46 10 46 / 44 (230 (60 0.8 leading to 0.8 lag	340 275 50 11 50 / 48	370 300 55 12					
37 8 37/35 1 defa 37 8 55.5/52.5	230 51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	250 .2 .60 d-acid etc. 46 10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag	50 11 50 / 48	300 55 12					
37 8 37 / 35 1 defa 37 8 55.5 / 52.5	51 40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	.2 60 d-acid etc. 46 10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag	50 11 50 / 48	55 12					
8 37 / 35 1 defa 37 8 55.5 / 52.5	40 - Li-ion / Lea 41 9 41 / 39 220 / 50 / ult (adjustable from	46 10 46 / 44 230 60 0.8 leading to 0.8 lag	11 50 / 48	12					
8 37 / 35 1 defa 37 8 55.5 / 52.5	Li-ion / Lea 41 9 41/39 220 / 50 / ult (adjustable from	d-acid etc. 46 10 46 / 44 7 230 60 0.8 leading to 0.8 lag	11 50 / 48	12					
8 37 / 35 1 defa 37 8 55.5 / 52.5	41 9 41 / 39 220 / 50 / ult (adjustable from <	46 10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag	11 50 / 48	12					
8 37 / 35 1 defa 37 8 55.5 / 52.5	9 41 / 39 220 / 50 / ult (adjustable from <	10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag 3	11 50 / 48	12					
8 37 / 35 1 defa 37 8 55.5 / 52.5	9 41 / 39 220 / 50 / ult (adjustable from <	10 46 / 44 7 230 7 60 0.8 leading to 0.8 lag 3	11 50 / 48	12					
37 / 35 1 defa 37 8 55.5 / 52.5	41 / 39 220 / 50 / ult (adjustable from <	46 / 44 7 230 7 60 0.8 leading to 0.8 lag	50 / 48						
1 defa 37 8 55.5 / 52.5	220 / 50 / ult (adjustable from <	7 230 7 60 0.8 leading to 0.8 la 3		55 / 52					
37 8 55.5 / 52.5	50 / ult (adjustable from < 41	60 0.8 leading to 0.8 lag 3	gging)						
37 8 55.5 / 52.5	ult (adjustable from <	0.8 leading to 0.8 lap	gging)						
37 8 55.5 / 52.5	41	3	gging)	50 / 60 1 default (adjustable from 0.8 leading to 0.8 lagging)					
8 55.5 / 52.5	41		< 3						
8 55.5 / 52.5		46							
8 55.5 / 52.5		46							
55.5 / 52.5	9		50	55					
-		10	11	12					
12	61.5 / 58.5	68 / 66	75 / 72	82 / 78					
	13.5	15	16.5	18					
	220 /	230							
	50 /	60							
	Seam	nless							
	<	3							
	96	.8							
	98	.1							
	Ye	es							
	Ye	es .							
Yes									
Yes									
Yes									
Yes									
Yes									
Yes									
	IP	56							
	Тур	e II							
	600 x 40	00 x 250							
	3	0							
	Intellige	ent Fan							
	0 - 10	00 %							
	-25	- 60							
		000							
	< 30	10							
		Wall Bracket							
	< 1	racket		SUNSPEC					
		30 Transfor Intellige 0 - 10 -25 < 30	600 x 400 x 250 30 Transformerless Intelligent Fan 0 - 100 % - 25 - 60 < 3000 < 10 Wall Bracket	30 Transformerless Intelligent Fan 0 - 100 % - 25 - 60 < 3000 < 10 Wall Bracket					

20