

OFFICIAL AGENT - DISTRIBUTOR - AFTER SALES SERVICE FOR ITALIAN MARKET



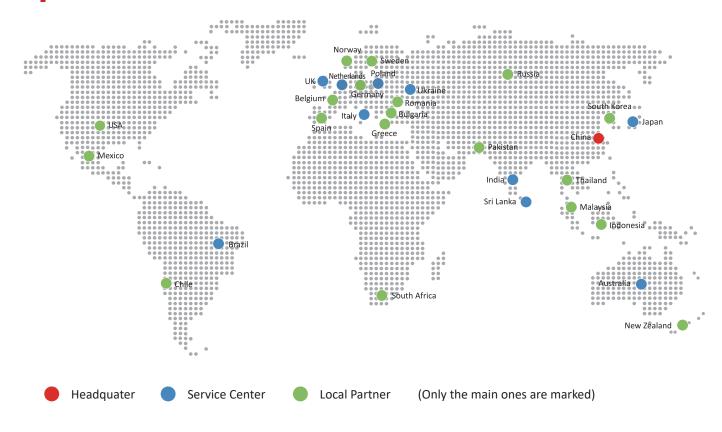
HYBRID INVERTERS UP TO 50KW



ENERGY STORAGE SYSTEM SOLUTIONS PV SYSTEM SOLUTIONS



| Global Market



| About Us

Afore is a leading PV inverter provider from China, with more than fourteen years dedicated experience in PV inverter R&D and manufacturing, Afore inverters have been installed in Europe, Australia, China, Indian, Japan, North America and South America, meeting the needs of global users.

We provide single and three-phase high-efficiency PV string inverters for a capacity of 1kW to 110kW, storage inverters (single phase 1-6kW, three phase 3-50kW, split phase 3-9.6kW, AC coupled), energy storage battery series (low voltage wall mounted series, high voltage stackable series) and all-in-one storage products. All of our inverters are integrated with smart monitoring system.

We offer not just good products, but also high-efficient local support to our partners and users throughout the inverter life span. Make sure the customers receive reliable returns by choosing Afore!

| Full production range



Single Phase PV String Inverter

Residential System

Single Phase 1-3kW, Single Phase 3-6kW, Single Phase 7-10kW



Three Phase PV String Inverter

Residential & Small Commercial System

Three Phase 3-25kW



Energy storage system

Residential and Commercial Storage System

Single Phase Hybrid Inverter 1-6kW Three Phase Hybrid Inverter 3-30kW Three Phase Hybrid Inverter 36-50kW

Single Phase AC Coupled Inverter 1-6kW Three Phase AC Coupled Inverter 3-30kW

Split Phase Hybrid Inverter 3-9.6kW

Low Voltage Stackable Energy Storage Battery (2.56-20.48kWh) Wall Mounted Energy Storage Battery (5/10/15kWh) High Voltage Stackable Energy Storage Battery (7.68-30.72kWh)



Single Phase Hybrid Storage Inverter

3-6 kW



The Afore AF low voltage series storage Inverters are designed to increase energy independence for homeowners. The power range is from 1kW to 6kW, 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 AF low voltage series storage inverters are integrated with Arc Fault Circuit Interrupter (AFCI) and rapid shutdown.



1.5 Times PV Oversize



MPPT CHANNELS Up to 2 MPPT Channels



UPS FUNCTION Switch Time < 10ms



PARALLEL Max.6 Parallel Stacking



INPLIT Support Generator

Support for Time-of-use Optimization



Build in Anti-feed-in Function





Compact Size and Easy Installation





Technical Data	AF3K-SL	AF3.6K-SL	AF4K-SL	AF4.6K-SL	AF5K-SL	AF5.5K-SL	AF6K-SL
PV Input May Input Power (kW)	4.5	5.4	6.0	6.9	7.5	8.3	9.0
Max. Input Power (kW) Max. PV Voltage (V)	4.5	3.4	0.0	550	7.3	6.5	9.0
MPPT Range (V)				80 - 500			
Full MPPT Range (V)	90 - 500	110 - 500	120 - 500	130 - 500	150 - 500	160 - 500	170 - 500
Normal Voltage (V)	30 - 300	110 - 300	120 - 300	360	130 - 300	100 - 300	170-300
Startup Voltage (V)				100			
Max. Input Current (A)				18.5 x 2			
Max. Short Current (A)				26 x 2			
No. of MPP Tracker / No. of PV String				2/2			
Battery Port							
Max. Charge/Discharge Power (kW)	3.0	3.6	4.0	4.6	4.8	4.8	4.8
Max. Charge/Discharge Current (A)				80			
Battery Normal Voltage (V)				51.2			
Battery Voltage Range (V)				40 - 60			
Battery Type			Li-	ion / Lead-acid et	C		
AC Grid				,			
Max Continuous Current (A)	14.0	17.0	19.0	22.0	23.0	26.0	28.0
Max Continuous Power (kVA)	3.0	3.6	4.0	4.6	5.0	5.5	6.0
Nominal Grid Current (A)	13.7 / 13.1	16.4 / 15.7	18.2 / 17.4	21.0 / 20.0	22.8 / 21.8	25.0 / 24.0	27.3 / 26.1
Nominal Grid Voltage (V)			198 to 242	@ 220 / 207 to 2	253 @ 230		
Nominal Grid Frequency (Hz)				50 / 60			
Power Factor		0.999	(Adjustable from	m 0.8 overexcited	to 0.8 underexo	cited)	
Current THD (%)				< 3			
AC Load Output							
Max Continuous Current (A)	14.0	17.0	19.0	22.0	23.0	26.0	28.0
Max Continuous Power (kVA)	3.0	3.6	4.0	4.6	5.0	5.5	6.0
Max Peak Current (A) (10min)	20.5 / 19.6	24.6 / 23.5	27.3 / 26.1	31.4 / 30	34.1 / 32.7	37.8 / 36.1	41.0 / 39.2
Max Peak Power (kVA) (10min)	4.5	5.4	6.0	6.9	7.5	8.3	9.0
Nominal AC Voltage L-N (V)				220 / 230			
Nominal AC Frequency (Hz)				50 / 60			
Switching Time (ms)				Seamless			
Voltage THD (%)				< 3			
Efficiency							
CEC Efficiency (%)				97.0			
Max. Efficiency (%)				97.6			
PV to Bat. Efficiency (%)				98.1			
Bat. between AC Efficiency (%)				96.8			
Protection							
PV Reverse Polarity Protection				Yes			
Over Current/Voltage Protection				Yes			
Anti-Islanding Protection				Yes			
AC Short Circuit Protection				Yes			
Residual Current Detection Ground Fault Monitoring				Yes			
Insulation Resister Detection				Yes			
PV Arc Detection				Yes			
Enclosure Protect Level				IP65 / NEMA4X			
General Data				US / INLIVIAAN			
Dimensions (W x H x D, mm)				370 x 535 x 192			
Weight (kg)	18	3.5			20.5		
Topology			:	Transformerless			
Cooling				Intelligent Fan			
Relative Humidity				0 - 100 %			
Operating Temperature Range (°C)				- 25 to 60			
Operating Altitude (m)				< 4000			
Noise Emission (dB)				< 25			
Standby Consumption (W)				< 10			
Mounting				Wall Bracket			
Communication with RSD				SUNSPEC			
Display & Communication Interfaces			LCD, LED, F	RS485, CAN, Wi-Fi	, GPRS, 4G		
	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2						

Single Phase Hybrid Storage Inverter

4-6 kW Plus Series



The Afore AF low voltage series storage Inverters are designed to increase energy independence for homeowners. The power range is from 4kW to 6kW, 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 AF low voltage series storage inverters are integrated with Arc Fault Circuit Interrupter (AFCI) and rapid shutdown.



Discharge Current 120A



1.5 Times PV Oversize



Up to 2 MPPT Channels



Switch Time < 10ms



Support for Time-of-use Optimization



Build in Anti-feed-in Function

Configurable Operation Modes



Compact Size and Easy Installation

Arc Fault Circuit Interrupter (AFCI) (Optional)



Smart Monitoring & Remote Firmware Upgrade

Are radic encure interrupter (Arei) (optional)



Off-grid mode, with a larger load capacity, the maximum load can be 6KVA

The charging and discharging power of the battery is greater



Technical Data	AF4K-SLP	AF4.6K-SLP	AF5K-SLP	AF5.5K-SLP	AF6K-SLP
PV Input Max Input Power (kW)	6	6.9	7.5	8.3	9
Max. Input Power (kW) Max. PV Voltage (V)	0	0.9	550	0.3	3
MPPT Range (V)			80 - 500		
Full MPPT Range (V)	120 - 500	130 - 500	150 - 500	160 - 500	170 - 500
Normal Voltage (V)	120 300	100 000	360	100 300	270 300
Startup Voltage (V)			100		
Max. Input Current (A)			18.5 x 2		
Max. Short Current (A)			26 x 2		
No. of MPP Tracker / No. of PV String			2 / 2		
Battery Port					
Max. Charge/Discharge Power (kW)	4.0	4.6	5.0	5.5	6.0
Max. Charge/Discharge Current (A)			120		
Battery Normal Voltage (V)			51.2		
Battery Voltage Range (V)			40 - 60		
Battery Type			Li-ion / Lead-acid etc.		
AC Grid					
Max Continuous Current (A)	19.0	22.0	23.0	26.0	28.0
Max Continuous Power (kVA)	4.0	4.6	5.0	5.5	6.0
Nominal Grid Current (A)	18.2 / 17.4	21.0 / 20.0	22.8 / 21.8	25.0 / 24.0	27.3 / 26.1
Nominal Grid Voltage (V)		198 to 2	42 @ 220 / 207 to 253	3 @ 230	
Nominal Grid Frequency (Hz)		0.000 (1.15	50 / 60	00 1 ""	
Power Factor		0.999 (Adjustable f	rom 0.8 overexcited to	U.8 underexcited)	
Current THD (%)			< 3		
AC Load Output	10.0	22.0	22.0	26.0	29.0
Max Continuous Current (A) Max Continuous Power (kVA)	19.0	22.0	23.0	26.0	28.0
Max Peak Current (A) (10min)	4.0	4.6	5.0	5.5	6.0
Max Peak Power (kVA) (10min)	27.3 / 26.1	31.4 / 30	34.1 / 32.7	37.8 / 36.1	41.0 / 39.2
Nominal AC Voltage L-N (V)	6.0	6.9	7.5 220 / 230	8.3	9.0
Nominal AC Frequency (Hz)			50 / 60		
Switching Time (ms)			Seamless		
Voltage THD (%)			< 3		
Efficiency					
CEC Efficiency (%)			97.0		
Max. Efficiency (%)			97.6		
PV to Bat. Efficiency (%)			98.1		
Bat. between AC Efficiency (%)			96.8		
Protection					
PV Reverse Polarity Protection			Yes		
Over Current/Voltage Protection			Yes		
Anti-Islanding Protection			Yes		
AC Short Circuit Protection			Yes		
Residual Current Detection			Yes		
Ground Fault Monitoring			Yes		
Insulation Resister Detection			Yes		
PV Arc Detection			Yes		
Enclosure Protect Level			IP65 / NEMA4X		
General Data Dimensions (W x H x D, mm)			370 x 535 x 192		
Weight (kg)			20.5		
Topology			Transformerless		
Cooling			Intelligent Fan		
Relative Humidity			0 - 100 %		
Operating Temperature Range (°C)			- 25 to 60		
Operating Altitude (m)			< 4000		
Noise Emission (dB)			< 25		
Standby Consumption (W)			< 10		
Mounting			Wall Bracket		
Communication with RSD			SUNSPEC		
Display & Communication Interfaces		LCD, LEI), RS485, CAN, Wi-Fi, G	PRS, 4G	
Certification & Approvals				5, VDE0126, IEC62109-1,	IEC62100 2

Three Phase Hybrid Storage Inverter

3-30 kW



The Afore AF series three phase storage inverters are designed to increase energy independence for homeowners and commercial users. The power range is from 3.0kW to 30kW, compatible with high voltage (150-800V) batteries.

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







WIDE RANGE Voltage Range (150-800V)



100% UNBALANCE Support Unbalance Load



PV OVERSIZE 1.5 Times PV Oversize



MAX. 40Adc String Current Up To 40A

Build in Anti-feed-in Function



UPS FUNCTION Switch Time < 10ms



INPLIT Support Generator

Support for Time-of-use Optimization



Configurable Operation Modes



AFCI (Optional) & Rapid Shutdown Ready



100% unbalanced output, each phase; 200% unbalanced output, each phase (Below 10kW)

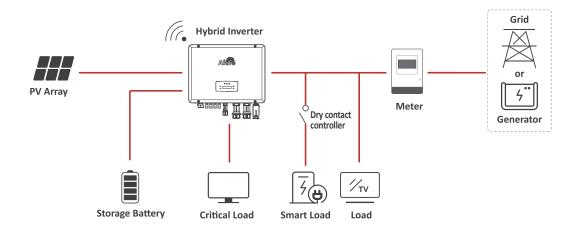


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Technical Data PV Input	AF3K-TH	AF4K-TH	AF5K-TH	AF6K-TH	AF8K-TH	AF10K-TI
Max. DC Input Power (kW)	5	6	7.5	9	12	15
. ,	5				12	15
Max. PV Voltage (V)			10			
Rated DC Input Voltage (V)			62			
DC Input Voltage Range (V)			150-			
MPPT Voltage Range (V)			150-			
Full MPPT Range(V)		200-850		250-850	300-850	500-850
Start-up Voltage (V)			16	50		
Max. DC Input Current (A)			20:	x 2		
Max. Short Current(A)			30:	x 2		
No. of MPPT Tracker / Strings			2/	2		
Battery Port						
Battery Nominal Voltage (V)	200	200	200	250	300	400
Battery Voltage Range (V)			150-	800		
Max. Charge/Discharge Current (A)			3	0		
Max. Charge/Discharge Power (kW)	3	4	5	6	8	10
Charging Curve			3 Sta	ages		
Compatible Battery Type		Li-ion	/ Lead-acid / Sodiu		attery	
AC Grid			,			
Nominal AC Output Power (kW)	3	4	5	6	8	10
Max. AC Input/Output Power (kVA)	4.5 / 3.3	6 / 4.4	7.5 / 5.5	9 / 6.6	12 / 8.8	15 / 11
Max. AC Output Current (A)	5.3	7	8.5	10.5	13.5	17
			230/		13.3	17
Nominal AC Voltage (V)			50/			
Nominal AC Frenquency (Hz)						
Power Factor			1 (-0.8-0.8)			
Current THD (%)			<3	% 		
AC Load Output (Back-up)						
Nominal Output Power (VA)	3000	4000	5000	6000	8000	10000
Nominal Output Voltage (V)			230/	400		
Nominal Output Frequency (Hz)			50/	60		
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6	14.5
Peak Output Power	3300VA, 60s	4400VA, 60s	5500VA, 60s	6600VA, 60s	8800VA, 60s	11000VA, 6
THDV (with linear load)			<3	%		
Switching Time (ms)			< 1	LO		
Efficiency						
Europe Efficiency			97.5	50%		
Max. Efficiency			98.00%		98.2	20%
Battery Charge/Discharge Efficiency			98.0	00%		
Protection			33.0			
Reverse Polarity Protection			Υe	25		
Over Current / Voltage Protection			Ye			
Anti-islanding Protection						
AC Short-ciruit Protection	Yes Yes					
Leakage Current Detection			Ye			
Ground Fault Monitoring Grid Monitoring			Ye			
Grid Monitoring Englacura Protect Level			Ye			
Enclosure Protect Level			IP)) 		
General Data			270 107 122 13	50525		
Dimensions (W x H x D, mm)				558 x 535 x 260 mm	1	
Weight (kg)				/ 29kg		
Topology		81 · / =	Transfor	merless		
Cooling Concept		Natural Co		2001	Intellig	ent Fan
Relative Humidity			0-10			
Operating Temperature Range (°C)			-25 to			
Operating Altitude (m)			<40	000		
Noise Emission (dB)			< 4	10		
Standby Consumption (W)			<	5		
			ICD IED RS485 CA	AN, Wi-Fi, GPRS, 4G		
Display & Communication Interfaces			ECD, EED, 113403, C	111, WI II, GI NS, 4C		

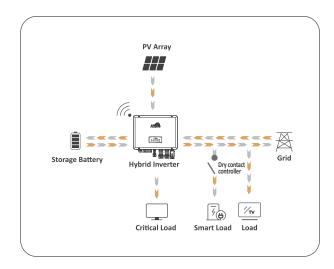
Technical Data	AF12K-TH	AF15K-TH	AF17K-TH	AF20K-TH	AF25K-TH	AF30K-TH	
PV Input							
Max. DC Input Power (kW)	18	22.5	25.5	30	37.5	45	
Max. PV Voltage (V)			10	00			
Rated DC Input Voltage (V)			62	.0			
DC Input Voltage Range (V)			150-	1000			
MPPT Voltage Range (V)			150-	850			
Full MPPT Range(V)			500-	850			
Start-up Voltage (V)			16	60			
Max. DC Input Current (A)	20x2	20+32	32	x 2	40	x 2	
Max. Short Current(A)	30x2	30+48	48	x 2	60	0x2	
No. of MPPT Tracker / Strings	2/2	2/3	2/	4	2/	' 4	
Battery Port	·						
Battery Nominal Voltage (V)	450	500	400	500	500	550	
Battery Voltage Range (V)			150-	800			
Max. Charge/Discharge Current (A)	30	50	50	50	60	60	
Max. Charge/Discharge Power (kW)	12	15	17	20	25	30	
Charging Curve			3 Sta	ages			
Compatible Battery Type		Li-ion	/ Lead-acid / Sodiu		attery		
AC Grid			, 1111111111111111111111111111111111111		, , , , , , , , , , , , , , , , , , ,		
Nominal AC Output Power (kW)	12	15	17	20	25	30	
Max. AC Input/Output Power (kVA)	18 / 13.2	22.5 / 16.5	25.5 / 18.7	30 / 22	37.5 / 27.5	45 / 33	
Max. AC Output Current (A)	21.5	27	30	32	40	48	
Nominal AC Voltage (V)	22.0		230/				
Nominal AC Frenquency (Hz)			50/				
Power Factor			1 (-0.8-0.8)				
Current THD (%)			<3	-			
AC Load Output (Back-up)							
Nominal Output Power (VA)	12000	15000	17000	20000	25000	30000	
Nominal Output Voltage (V)	12000	15000	230/		23000		
Nominal Output Frequency (Hz)			50/				
Nominal Output Current (A)	17.4	21.8	24.7	29	36.3	43.5	
Peak Output Power	13200VA, 60s	16500VA, 60s	18700VA, 60s	22000VA, 60s	27500VA, 60s	33000VA, 6	
THDV (with linear load)	1320011, 003	10300 171, 003	<3		27300171, 003	33000 77 1, 0	
Switching Time (ms)			<1				
Efficiency				10			
•	07.5	0.07	07.6	10.07	00.000/	00.100/	
Europe Efficiency	97.5		97.8	30%	98.00%	98.10%	
Max. Efficiency		98.	30%	000/	98.	50%	
Battery Charge/Discharge Efficiency Protection			98.0	JU %			
Reverse Polarity Protection			V				
			Ye Ye				
Over Current / Voltage Protection			Ye				
Anti-islanding Protection AC Short-ciruit Protection			Ye				
Leakage Current Detection							
Ground Fault Monitoring	Yes						
	Yes Yes						
Grid Monitoring Enclosure Protect Level			IP				
General Data			IP	, <u>, , , , , , , , , , , , , , , , , , ,</u>			
Dimensions (W x H x D, mm)	370x497x192/558x535x260			558 x 535 x 260 mm	,		
Weight (kg)	20.8/29kg		29kg	220 V 222 V 500 IIIII	36	kø	
Topology	20.0/ 2016		Transfor	merless	30	0	
Cooling Concept			Intellige				
Relative Humidity			0-10				
Operating Temperature Range (°C)			-25 to				
Operating Altitude (m)			-23 (0				
Noise Emission (dB)			<4				
Standby Consumption (W)			< 2				
Display & Communication Interfaces			 LCD, LED, RS485, C/				
2.5p.ay & communication interraces						1 15662100.2	
Certification & Approvals	NBCUOL COS	/G99, EN50549-1,	C10/C11 A\$A>>>	VI)F-AR-NATHS VI)F() /h F(6 / 1114-	F(h / l l l q - /	

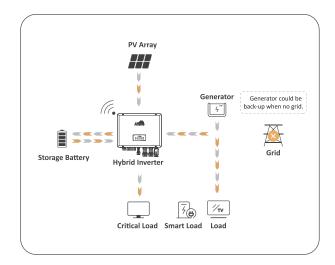
For New Storage System:



Optimizing Self-Consumption (on-grid)

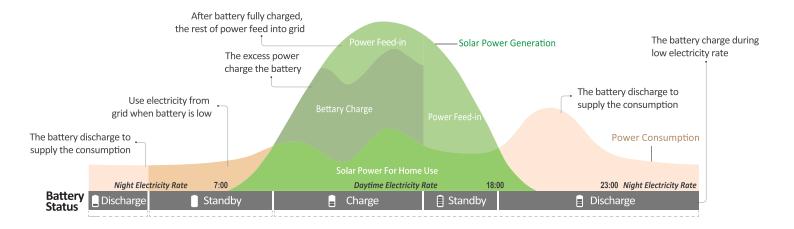
+ Emergency Power Supply (off-grid)





Optimizing Self-Consumption Mode

With energy storage system installed, users may also be able to change from a flat rate electricity tariff to a time-of-use tariff. For the areas and regions, where peak shaving can be applied.



Three Phase Hybrid Storage Inverter

3-12 kW Plus Series



The Afore three phase storage inverters plus series are designed to increase energy independence for homeowners and commercial users. The power range is from 3.0kW to 12kW, compatible with high voltage (80-600V and 120-650V) batteries.

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



SODIUM METAL CHLORIDE BATTERY

Support Sodium metal chloride battery



MIN. 80V Battery Voltage Minimum 80V



Max. Charge/ Discharge Current 50A



100% UNBALANCE Support Unbalance Load



PV OVERSIZE 1.5 Times PV Oversize



MAX. 20Adc String Current Up To 20A



UPS FUNCTION Switch Time < 10ms

Support for Time-of-use Optimization



Build in Anti-feed-in Function



100% unbalanced output, each phase; 200% unbalanced output, each phase (Below 10kW)



Configurable Operation Modes



5						
	_		•	4.0	4.5	10
	6	7.5	9	12	15	18
			1000			
	200-850			300-850	500	-850
			2/2			
100	100	100	150	200	250	300
		80-600			120	-650
			50			
3	4	5	6	8	10	12
			3 Stages			
		Li-ion / Lead-aci	d / Sodium metal o	hloride battery		
3	4	5	6	8	10	12
4.5 / 3.3	6 / 4.4	7.5 / 5.5	9 / 6.6	12 / 8.8	15 / 11	18 / 13.2
5.3	7	8.5	10.5	13.5	17	21.5
			230/400			
			50/60			
			1 (-0.8-0.8)			
			<3%			
3000	4000	5000	6000	8000	10000	12000
	5.8	7 3		11.6	1/1.5	17.4
						13200VA, 6
	4400VA, 003	3300 VA, 003		0000 77, 003	11000 VA, 003	1320017,
			\10			
		222	97.50%			
	98.0	00%		98.	20%	98.30%
			98.00%			
			Yes			
			Yes			
			IP65			
		į		n		
			29kg			
			Transformerless			
			Intelligent Fan			
			0-100%			
			-25 to 60 °C			
			<4000			
			<40			
			<5			
		LCD, LED,	RS485, CAN, Wi-Fi	, GPRS, 4G		
NRS09	7, G98/G99, EN50				6, IEC62109-1, IEC	62109-2
	3 4.5/3.3 5.3 3000 4.4 3300VA, 60s	3 4 4.5/3.3 6/4.4 5.3 7 3000 4000 4.4 5.8 3300VA, 60s 4400VA, 60s	100 100 100 80-600 3 4 5 Li-ion / Lead-aci 3 4 5 4.5/3.3 6/4.4 7.5/5.5 5.3 7 8.5 3000 4000 5000 4.4 5.8 7.3 3300VA, 60s 4400VA, 60s 5500VA, 60s	160 20x2 30x2 2/2 30x2 30x6 30x6 30x6 30x6 30x6 30x6 30x6 30x6 30x6 3x6 3x6	150-1000	150-1000

Three Phase Hybrid Storage Inverter

36-50 kW



The Afore AF series three phase storage inverters are designed to increase energy independence for homeowners and commercial users. The power range is from 36kW to 50kW, compatible with high voltage (150-800V) batteries.

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







WIDE RANGE

Voltage Range
(150-800V)



100% UNBALANCE
Support Unbalance Load



PV OVERSIZE 1.5 Times PV Oversize



MAX. 40Adc String Current Up To 40A



UPS FUNCTIONSwitch Time < 10ms



INPUT Support Generator

Support 280AH, 315AH battery system



Support for Time-of-use Optimization



Build in Anti-feed-in Function

2 times AC Oversize





100% unbalanced output, each phase







echnical Data	AF36K-TH	AF40K-TH	AF50K-TH
PV Input			
Max. DC Input Power (kW)	54	60	75
Max. PV Voltage (V)		1000	
Rated DC Input Voltage (V)		620	
DC Input Voltage Range (V)		150-1000	
MPPT Voltage Range (V)		150-850	
Full MPPT Range(V)		500-850	
Start-up Voltage (V)		160	
Max. DC Input Current (A)		40 x 4	
Max. Short Current(A)		48 x 2	
No. of MPPT Tracker / Strings		4/8	
Battery Port			
Battery Nominal Voltage (V)		500	
Battery Voltage Range (V)		150-800	
Max. Charge/Discharge Current (A)		120	
Max. Charge/Discharge Power (kW)	36	40	50
Charging Curve		3 Stages	
Compatible Battery Type	Li-ior	n / Lead-acid / Sodium metal chloride b	attery
AC Grid			
Nominal AC Output Power (kW)	36	40	50
Max. AC Input/Output Power (kVA)	72 / 39.6	80 / 44	100/55
Max. AC Output Current (A)	60.06	66.77	83.38
Nominal AC Voltage (V)		230/400	
Nominal AC Frenquency (Hz)		50/60	
Power Factor		1 (-0.8-0.8)	
Current THD (%)		<3%	
AC Load Output (Back-up)		1370	
Nominal Output Power (VA)	36000	44000	55000
Nominal Output Voltage (V)	30000		33000
		230/400	
Nominal Output Frequency (Hz)		50/60	
Nominal Output Current (A)	52.2	58	72.5
Peak Output Power	39600VA, 60s	44000VA, 60s	55000VA, 60s
THDV (with linear load)		3%	
Switching Time (ms)		<10	
Efficiency			
Europe Efficiency	98.20%	98.30%	98.30%
Max. Efficiency		98.60%	
Battery Charge/Discharge Efficiency		99.00%	
Protection			
Reverse Polarity Protection		Yes	
Over Current / Voltage Protection		Yes	
Anti-islanding Protection		Yes	
AC Short-ciruit Protection		Yes	
Leakage Current Detection		Yes	
Ground Fault Monitoring		Yes	
Grid Monitoring		Yes	
Enclosure Protect Level		IP65	
General Data			
Dimensions (W x H x D, mm)		979 x 610 x 310 mm	
Weight (kg)		70kg	
Topology		Transformerless	
Cooling Concept		Intelligent Fan	
Relative Humidity		0-100%	
Operating Temperature Range (°C)		-25 to 60 °C	
Operating Altitude (m)		<4000	
Noise Emission (dB)		<4000 <60	
Standby Consumption (W)			
		<100	<u> </u>
Display & Communication Interfaces Cortification & Approvals	NDC007 C00/C00 ENEGE 40 1	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G	
Certification & Approvals	икоия/, Суб/СуЯ, EN5U549-1,	C10/C11, AS4777.2, VDE-AR-N4105, VD	DEU120, IEC02109-1, IEC62109-2
EMC		EN61000-6-2, EN61000-6-3	



