

ENERGY STORAGE SYSTEM SOLUTIONS PV SYSTEM SOLUTIONS





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3-15 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 15kW, compatible with high voltage (80-600V) 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.

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.







WIDE RANGE Voltage Range



1.5 Times PV Oversize





String Current Up To 18.5A



UPS FUNCTION



COMPACT



Generator Backup Support

Support for Time-of-use Optimization	0	-
Configurable Operation Modes	00	1
AFCI (Optional) & Rapid Shutdown Ready	(P)	į



Build in Anti-feed-in Function 100% unbalanced output, each phase

Smart Monitoring & Remote Firmware Upgrad

Technical Data	AF3K-MTH	AF4K-MTH	AF5K-MTH	AF6K-MTH	AF8K-MTH	ALTOK-IALLH	AF12K-MTH	ALTOK-IALI
PV Input	_		7.5		42	4-	40	22.5
Max. DC Input Power (kW)	5	6	7.5	9	12	15	18	22.5
Max. PV Voltage (V)					00			
Rated DC Input Voltage (V)					20			
DC Input Voltage Range (V)					1000			
MPPT Voltage Range (V)		200 050			-850		500.050	
Full MPPT Range(V)		200-850		250-850	300-850		500-850	
Start-up Voltage (V)				10				
Max. DC Input Current (A)					5x2			
Max. Short Current(A)					x2			
No. of MPPT Tracker / Strings				۷,	/2			
Battery Port	250	250	250	250	250	250	450	F00
Battery Nominal Voltage (V)	350	350	350	350	350	350	450	500
Battery Voltage Range (V)					600			
Max. Charge/Discharge Current (A)					0			
Max. Charge/Discharge Power (kW)	3	4	5	6	8	10	12	15
Charging Curve					ages			
Compatible Battery Type			Li-ion / L	ead-acid / Sodiu	ım metal chloric	le battery		
AC Grid								
Nominal AC Output Power (kW)	3	4	5	6	8	10	12	15
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	18 / 13.2	22.5 / 16.
Max. AC Output Current (A)	5.3	7	8.5	10.5	13.5	17	21.5	27
Nominal AC Voltage (V)				3P+N+PE/3P	+PE 230/400			
Nominal AC Frenquency (Hz)				50,	/60			
Power Factor				1 (-0.8-0.8	adjustable)			
Current THD (%)				<3	3 %			
AC Load Output (Back-up)								
Nominal Output Power (kVA)	3	4	5	6	8	10	12	15
Nominal Output Voltage (V)				3P+N+PE/3P	+PE 230/400			
Nominal Output Frequency (Hz)				50,	/60			
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6	14.5	17.4	21.8
Peak Output Power	3.3kVA, 60s	4.4kVA, 60s	5.5kVA, 60s	6.6kVA, 60s	8.8kVA, 60s	11kVA, 60s	13.2kVA, 60s	16.5kVA, 6
THDV (with linear load)				<3	3 %			
Switching Time (ms)				<:	10			
Efficiency								
Europe Efficiency				97.5	50%			
Max. Efficiency	98.00% 98.20% 98.30%					30%		
Battery Charge/Discharge Efficiency	98.00%							
Protection								
Reverse Polarity Protection				Y	es			
Over Current / Voltage Protection				Y	es			
Anti-islanding Protection				Y	es			
AC Short-ciruit Protection				Y	es			
Leakage Current Detection				Y	es			
Ground Fault Monitoring				Ye	es			
Grid Monitoring				Y	es			
Enclosure Protect Level				IP	66			
AC/DC surge protection				Тур	e II			
General Data								
Dimensions (W x H x D, mm)				370 x 598.	5 x 192mm			
Weight (kg)					2kg			
Topology					rmerless			
Cooling Concept		Natural C	onvection			Intellia	gent Fan	
Relatively Humidity				0-1	: 00%			
Operating Temperature Range (°C)					60 °C			
Operating Altitude (m)					000			
Standby Consumption (W)					5			
Display & Communication Interfaces			LCD. J.F.	D, RS485, CAN, \		Sunspec		
Certification & Approvals	NRSUO	7. G98/G99 FNI)9-1, IEC62109-2	IFC62477-1
ou o. / ippi o tuls	1411303	. , 555, 555, LIV.		_,	/ LOJ, VL	,	,	,

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.

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** & Automation



BATTERY Sodium metal chloride battery



WIDE RANGE Voltage Range (150-800V)



Support Unbalance Load



String Current Up To 40A

MAX. 40Adc



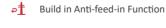
UPS FUNCTION Switch Time < 10ms

Support Generator

Support for Time-of-use Optimization



AFCI (Optional) & Rapid Shutdown Ready



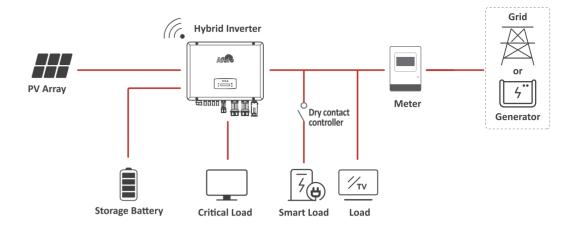
100% unbalanced output, each phase;



Smart Monitoring & Remote Firmware Upgrade

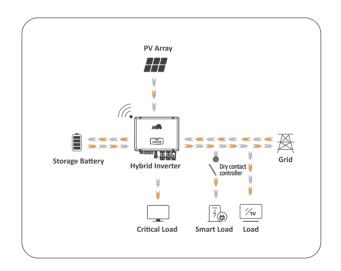
200% unbalanced output, each phase (≤ 10kW)

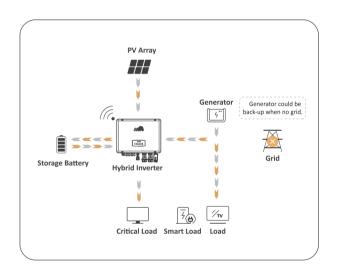
For New Storage System:



Optimizing Self-Consumption (on-grid)

Emergency Power Supply (off-grid)

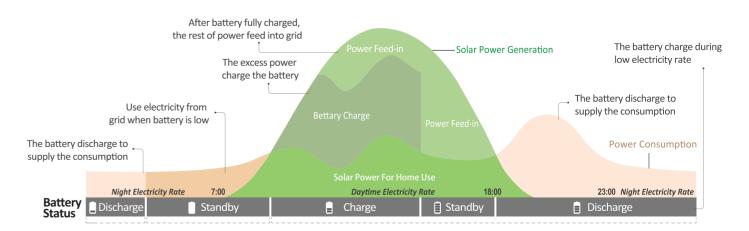




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Optimizing Self-Consumption Mode

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.



Technical Data	AF3K-TH	AF4K-TH	AF5K-TH	AF6K-TH	AF8K-TH	AF10K-TH	
PV Input	_		7.5		10	,-	
Max. DC Input Power (kW)	5	6	7.5	9	12	15	
Max. PV Voltage (V)			10				
Rated DC Input Voltage (V)			62				
DC Input Voltage Range (V)			150-				
MPPT Voltage Range (V)		200 850	150-		200 850	500-850	
Full MPPT Range(V)		200-850		250-850	300-850	300-830	
Start-up Voltage (V)			16				
Max. DC Input Current (A)			20:				
Max. Short Current(A) No. of MPPT Tracker / Strings			2/				
Battery Port			2/	2			
•	200	200	200	250	300	400	
Battery Nominal Voltage (V)	200	200	150-		300	400	
Battery Voltage Range (V) Max. Charge/Discharge Current (A)			3				
	3	4	5	6	0	10	
Max. Charge/Discharge Power (kW) Charging Curve	<u> </u>	4	3 Sta		8	10	
Compatible Battery Type		Li-ion	/ Lead-acid / Sodiu		atterv		
AC Grid		Li ion	, Lead dela / Sould	etai emonae b			
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	
Nominal AC Voltage (V)		•	230/				
Nominal AC Frenquency (Hz)			50/				
Power Factor			1 (-0.8-0.8				
Current THD (%)			<3				
AC Load Output (Back-up)							
Nominal Output Power (kVA)	3	4	5	6	8	10	
Nominal Output Voltage (V)			230/	400			
Nominal Output Frequency (Hz)			50/				
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6	14.5	
Peak Output Power	3.3kVA, 60s	4.4kVA, 60s	5.5kVA, 60s	6.6kVA, 60s	8.8kVA, 60s	11kVA, 60s	
THDV (with linear load)	,	,	<3			,	
Switching Time (ms)			<1				
Efficiency							
Europe Efficiency			97.5	50%			
Max. Efficiency	97.50% 98.00% 98.20%						
Battery Charge/Discharge Efficiency	98.00%						
Protection							
Reverse Polarity Protection			Υe	es			
Over Current / Voltage Protection			Ye	es			
Anti-islanding Protection			Ye	es			
AC Short-ciruit Protection			Ye	es			
Leakage Current Detection			Ye	es			
Ground Fault Monitoring			Υe	es			
Grid Monitoring			Ye	es			
Enclosure Protect Level			IP6	65			
AC/DC surge protection			Туре	e II			
General Data							
Dimensions (W x H x D, mm)			558 x 535	x 260 mm			
Weight (kg)			29	kg			
Topology			Transfor	rmerless			
Cooling Concept		Natural Co			Intellig	ent Fan	
Polativoly Humidity			0-10				
Relatively Humidity			-25 to	0 60 °C			
Operating Temperature Range (°C)							
Operating Temperature Range (°C) Operating Altitude (m)			< 40				
Operating Temperature Range (°C) Operating Altitude (m) Standby Consumption (W)			<	5			
Operating Temperature Range (°C)				5 Wi-Fi, GPRS, 4G, Su			

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						
Rated DC Input Voltage (V)			62						
DC Input Voltage Range (V)	150-1000 150-850								
MPPT Voltage Range (V)									
Full MPPT Range(V)			500-						
Start-up Voltage (V)	20×2	20+32	32		40)	, 2			
Max. DC Input Current (A)	30x2	30+48	48:		60x2				
Max. Short Current(A)	2/2	2/3	2/		2/				
No. of MPPT Tracker / Strings	2/2	2/3	2/	-		•			
Battery Port	450	500	400	500	500	550			
Battery Nominal Voltage (V)	430	300			300	330			
Battery Voltage Range (V)	20		150-						
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						
Compatible Battery Type		Li-ion ,	/ Lead-acid / Sodiu	m metal chloride ba	aπery				
AC Grid	13	15	47	30	25	20			
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	30 230/	32	40	48			
Nominal AC Voltage (V)									
Nominal AC Frenquency (Hz)			1 (0 8 0 8						
Power Factor			1 (-0.8-0.8						
Current THD (%)			<u> </u>	70					
AC Load Output (Back-up)	12	15	17	20	25	30			
Nominal Output Power (kVA)	12	15			25	30			
Nominal Output Voltage (V)			230/						
Nominal Output Frequency (Hz)	17.4	21.0	50/		26.2	42.5			
Nominal Output Current (A)	17.4	21.8	24.7 18.7kVA, 60s	29	36.3 27.5kVA, 60s	43.5 33kVA, 60s			
Peak Output Power THDV (with linear load)	13.2kVA, 60s	16.5kVA, 60s		22kVA, 60s	27.3KVA, 003	33KVA, 003			
Switching Time (ms)			<3 <1						
			<u> </u>	10					
Efficiency	0	7.50%	07.0	200/	00.000	00.100/			
Europe Efficiency	9		97.8	50%	98.00%	98.10%			
Max. Efficiency	98.30% 98.50% 98.00%								
Battery Charge/Discharge Efficiency			96.0	70					
Protection Reverse Polarity Protection			Ye	96					
Over Current / Voltage Protection			Ye						
Anti-islanding Protection			Ye						
AC Short-ciruit Protection			Ye						
			Ye						
Leakage Current Detection									
Leakage Current Detection Ground Fault Monitoring			Ye	25					
Leakage Current Detection Ground Fault Monitoring Grid Monitoring				es es					
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level			Ye Ye IPe	es es 55					
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection			Ye Ye	es es 55					
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data			Ye Ye IPe Typ	es es 55					
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm)			Ye Ye IPe Typ	es es 55 e II	361	rg			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg)			Ye Ye IPe Typ 558 x 535	es es 55 e II x 260 mm	361	rg			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg) Topology			Υε Υε ΙΡε Τγρ 558 x 535 29kg	es 55 55 e II x 260 mm merless	361	g			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg) Topology Cooling Concept			Ye Ye IPe Typ 558 x 535 29kg Transfor	es ses ses ses ses ses ses ses ses ses	361	sg .			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level			Ye Ye IPe Typ 558 x 535 29kg Transfor Intellige	es ses ses ses ses ses ses ses ses ses	361	sg			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg) Topology Cooling Concept Relatively Humidity Operating Temperature Range (°C)			Ye Ye IP(Typ 558 x 535 29kg Transfor Intellige 0-10	es ses ses ses ses ses ses ses ses ses	361	Kg			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg) Topology Cooling Concept Relatively Humidity Operating Temperature Range (°C) Operating Altitude (m)			Ye Ye IPe Typ 558 x 535 29kg Transfor Intellige 0-10	es ses ses ses ses ses ses ses ses ses	361	Kg			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg) Topology Cooling Concept Relatively Humidity Operating Temperature Range (°C) Operating Altitude (m) Standby Consumption (W)			Ye Ye Ye Ye Typ 558 x 535 29kg Transfor Intellige 0-10 -25 to <40	ess		Kg			
Leakage Current Detection Ground Fault Monitoring Grid Monitoring Enclosure Protect Level AC/DC surge protection General Data Dimensions (W x H x D, mm) Weight (kg) Topology Cooling Concept Relatively Humidity Operating Temperature Range (°C) Operating Altitude (m)	NRS097. G99		Ye Ye Ye Ye IPG Typ 558 x 535 29kg Transfor Intellig 0-10 -25 to <40 <	es ses ses ses ses ses ses ses ses ses	spec				

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.

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BATTERY Support Sodium metal chloride battery



Battery Voltage Minimum 80V





MAX. 50A Max. Charge/ Discharge Current 50A



Support Unbalance Load



MAX. 20Adc String Current Up To 20A



UPS FUNCTION

Support for Time-of-use Optimization

Configurable Operation Modes



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

Build in Anti-feed-in Function

AFCI (Optional) & Rapid Shutdown Ready



Smart Monitoring & Remote Firmware Upgrade

Technical Data	AF3K-THP	AF4K-THP	AF5K-THP	AF6K-THP	AF8K-THP	AF10K-THP	AF12K-THP
PV Input	_	_					
Max. DC Input Power (kW)	5	6	7.5	9	12	15	18
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)		200-850		250-850	300-850	500	-850
Start-up Voltage (V)				160			
Max. DC Input Current (A)				20x2			
Max. Short Current(A)				30x2			
No. of MPPT Tracker / Strings				2/2			
Battery Port	100	100	100	150	200	250	300
Battery Voltage Range (V)	100	100		150	200	i	
Battery Voltage Range (V)			80-600	F0		120	-650
Max. Charge/Discharge Current (A)	2			50		10	
Max. Charge/Discharge Power (kW)	3	4	5	6	8	10	12
Charging Curve			liios/le-de	3 Stages	oblorida batta		
Compatible Battery Type			ri-ioii / Lead-aci	d / Sodium metal	unoride battery		
AC Grid	2	4	5	6	8	10	12
Nominal AC Output Power (kW)	3 4.5 / 3.3	6 / 4.4	7.5 / 5.5	9 / 6.6	12 / 8.8	15 / 11	12 18 / 13.2
Max. AC Input/Output Power (kVA)	5.3	7	8.5	10.5	13.5	-	
Max. AC Output Current (A)	5.5		8.5		15.5	17	21.5
Nominal AC Voltage (V)				230/400			
Nominal AC Frenquency (Hz)			1 (la)		
Power Factor			1 (<3%	ie)		
Current THD (%)				< 3 70			
AC Load Output (Back-up) Nominal Output Power (kVA)	3	4	5	6	8	10	12
	<u> </u>	4	<u> </u>			10	12
Nominal Output Voltage (V)				230/400			
Nominal Output Frequency (Hz)		F 0	7.2	50/60	11.6	445	47.4
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6	14.5	17.4
Peak Output Power	3.3kVA, 60s	4.4kVA, 60s	5.5kVA, 60s	6.6kVA, 60s	8.8VA, 60s	11VA, 60s	13.2kVA, 60s
THDV (with linear load)				<3%			
Switching Time (ms)				<10			
Efficiency							
Europe Efficiency			000/	97.50%			00.000/
Max. Efficiency		98.	00%	00.000/	98.	20%	98.30%
Battery Charge/Discharge Efficiency				98.00%			
Protection				Van			
Reverse Polarity Protection				Yes			
Over Current / Voltage Protection Anti-islanding Protection				Yes			
AC Short-ciruit Protection				Yes			
Leakage Current Detection				Yes			
Ground Fault Monitoring				Yes			
Grid Monitoring				Yes			
Enclosure Protect Level				IP65			
AC/DC surge protection				Type II			
General Data				турсп			
Dimensions (W x H x D, mm)				558 x 535 x 260 m			
Weight (kg)				29kg			
Topology				Transformerless			
Cooling Concept		Natural (Convection		1	Intelligent Fan	
Relative Humidity		ivacuial		0-100%	!		
Operating Temperature Range (°C)				-25 to 60 °C			
Operating Altitude (m)				<4000			
Standby Consumption (W)				<5			
Display & Communication Interfaces			LCD, LED. RS48	85, CAN, Wi-Fi, GP	RS, 4G, Sunspec		
Certification & Approvals	NRS097 G9	8/G99, FN50549-		77.2, VDE-AR-N410)9-2. JFC62477-1
EMC	.4.13037, 43	_, 555, 21150545-		51000-6-2, EN6100			
			LIVO				

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

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.

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Support Sodium metal chloride battery



WIDE RANGE Voltage Range (150-800V)



100% UNBALANCE Support Unbalance Load



String Current Up To 40A



Switch Time < 10ms



Support 280AH, 315AH battery system



2 times AC Oversize

Support for Time-of-use Optimization Configurable Operation Modes



100% unbalanced output, each phase

Build in Anti-feed-in Function

AFCI (Optional) & Rapid Shutdown Ready



Smart Monitoring & Remote Firmware Upgrade

echnical Data	AF36K-TH	AF40K-TH	AF50K-TH			
V Input						
Лах. 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 4				
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-io	n / Lead-acid / Sodium metal chloride b	attery			
AC Grid						
Nominal AC Output Power (kW)	36	40	50			
Max. AC Input/Output Power (kVA)	54 / 39.6	60 / 44	75 / 55			
Max. AC Output Current (A)	60.5	67	83.5			
Nominal AC Voltage (V)		230/400				
Nominal AC Frenquency (Hz)		50/60				
Power Factor		1 (-0.8-0.8 adjustable)				
Current THD (%)		<3%				
AC Load Output (Back-up)						
Nominal Output Power (kVA)	36	40	50			
Nominal Output Voltage (V)		230/400				
Nominal Output Frequency (Hz)		50/60				
Max. AC Output Current (A)	60.5	67	83.5			
Peak Output Power	39.6kVA, 60s	44kVA, 60s	55kVA, 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		IP66				
AC/DC surge protection		Туре II				
General Data						
Dimensions (W x H x D, mm)		867 x 715 x 306 mm				
Weight (kg)		81kg				
Topology		Transformerless				
Cooling Concept		Intelligent Fan				
Relative Humidity		0-100%				
Operating Temperature Range (°C)		-25 to 60 °C				
Operating Altitude (m)		<4000				
Standby Consumption (W)		<100				
Display & Communication Interfaces	LCD	, LED, RS485, CAN, Wi-Fi, GPRS, 4G, Sun	spec			
Certification & Approvals	NRS097, G99, EN50549-1, C10,	C11, AS4777.2, VDE-AR-N4105, VDE012	26, IEC62109-1, IEC62109-2			
EMC	NRS097, G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2 EN61000-6-2, EN61000-6-4					