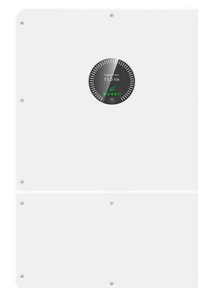


INVERTERS

WIT 4-25K-HU

Hybrid inverter · Three-phase · 4 – 25 kW · 12 models


4 – 25 kW

RATED POWER

Three-phase

PHASE

1

MPPT TRACKERS

97.6 %

MAX. EFFICIENCY

Parameter	Unit	Common to all models
PV input		
Max. PV input voltage	V	1000
MPPT voltage range	V	150 – 850
Start-up voltage	V	180
Max. string current	A	20
AC output		
Rated AC voltage	V	400
Phase		Three-phase
Rated AC frequency	Hz	50/60
Total harmonic distortion (THDi)	%	<3
Power factor		-1 to +1 (adjustable)
Generator input		Yes
Max. parallel units		10
Backup nominal AC output frequency	Hz	50/60
Backup THDv (linear load)	%	3
Backup load unbalance		100% three-phase unbalanced
Battery		
Battery type		Lead-acid or lithium-ion
Battery voltage range	V	40 – 60
Battery rated voltage	V	51.2
BMS communication		RS485 / CAN

Parameter	Unit	Common to all models
Efficiency		
Max. efficiency	%	97.6
European efficiency	%	97
MPPT efficiency	%	99.9
Protection		
Protection functions	PV reverse polarity protection; DC switch; DC/AC surge protection (Type II / Type III); Insulation resistance monitoring; Residual-current monitoring unit; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Strings monitoring; Anti-islanding protection; AFCI function (optional)	
General data		
Ingress protection (IP rating)	IP66	
Operating temperature range	°C	–30 – 60
Relative humidity	%	0 – 100
Cooling	Smart air cooling	
Topology	Transformerless	
Communication		
Display	OLED / LED + app	
Communication interfaces	RS485; USB	
Certifications		
Certifications and standards	IEC 62109; IEC 61000	
Grid codes	IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50549; VDE 4105	

Parameter	Unit	WIT 4K-HU	WIT 5K-HU	WIT 6K-HU	WIT 8K-HU	WIT 10K-HU	WIT 12K-HU
PV input							
Max. PV input power	W	6400	8000	9600	12800	16000	19200
Rated PV input voltage	V	600					
Max. input current per MPPT	A	40			20		40
Max. short-circuit current per MPPT	A	50			25		50
Number of MPPT trackers		1			2		
PV strings per MPPT		2			1		2
AC output							
Rated output power	W	4000	5000	6000	8000	10000	12000
Max. apparent power	VA	4400	5500	6600	8800	11000	13200
Max. AC output current	A	6.7	8.4	10	13.3	16.7	20
Backup output power	W	4000	5000	6000	8000	10000	12000
Peak (surge) power	W	8000	10000	12000	16000	20000	24000
AC input nominal power (grid)	W	8000	10000	12000	16000	20000	24000
Max. AC input apparent power (grid)	VA	8800	11000	13200	17600	22000	26400
Max. AC input current (grid)	A	13.4	16.7	20.0	26.6	33.3	40.0

Parameter	Unit	WIT 4K-HU	WIT 5K-HU	WIT 6K-HU	WIT 8K-HU	WIT 10K-HU	WIT 12K-HU
AC grid connection type		3P3W+PE/3P4W+PE					
Backup rated AC output voltage	V	220/380, 230/400					
Backup max. output current	A	12.2	15.2	18.2	24.2	30.3	36.4
On/off-grid transfer time		10 ms					
Battery							
Max. charge current	A	110	125	150	200	220	250
Max. discharge current	A	110	125	150	200	220	250
General data							
Dimensions (W x H x D)	mm	475 × 698 × 240					
Weight	kg	43					
Max. operating altitude	m	3000					
Noise level	dB	≤50					
Warranty	years	10					
Communication							
Monitoring		Wi-Fi / LAN data logger					

Parameter	Unit	WIT 15K-HU	WIT 17K-HU	WIT 18K-HU	WIT 20K-HU	WIT 22K-HU	WIT 25K-HU
PV input							
Max. PV input power	W	24000	34000	36000	40000	44000	50000
Rated PV input voltage	V	600	625				
Max. input current per MPPT	A	40					
Max. short-circuit current per MPPT	A	50					
Number of MPPT trackers		2					
PV strings per MPPT		2					
AC output							
Rated output power	W	15000	17000	18000	20000	22000	25000
Max. apparent power	VA	16500	18700	19800	22000	24200	27500
Max. AC output current	A	25	28.33	30	33.33	36.66	41.67
Backup output power	W	15000	17000	18000	20000	22000	25000
Peak (surge) power	W	30000	34000	36000	40000	44000	50000
AC input nominal power (grid)	W	30000	34000	36000	40000	44000	50000
Max. AC input apparent power (grid)	VA	33000	37400	39600	44000	48400	55000
Max. AC input current (grid)	A	50.1	56.67	60	66.67	73.33	83.33
AC grid connection type		3P3W+PE/3P4W+PE	3P+PE/3P+N+PE				
Backup rated AC output voltage	V	220/380, 230/400	220/380, 230/400, 240/415				
Backup max. output current	A	45.5	51.52	54.55	60.61	66.67	75.76
On/off-grid transfer time		10 ms	<10 ms				

Parameter	Unit	WIT 15K-HU	WIT 17K-HU	WIT 18K-HU	WIT 20K-HU	WIT 22K-HU	WIT 25K-HU
Battery							
Max. charge current	A	290			420		
Max. discharge current	A	290			420		
General data							
Dimensions (W x H x D)	mm	475 × 698 × 240			475 × 695 × 241		
Weight	kg	43			58		
Max. operating altitude	m	3000			4000		
Noise level	dB	≤50			≤55		
Warranty	years	10			5 – 10		
Communication							
Monitoring		Wi-Fi / LAN data logger			Wi-Fi / LAN		

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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