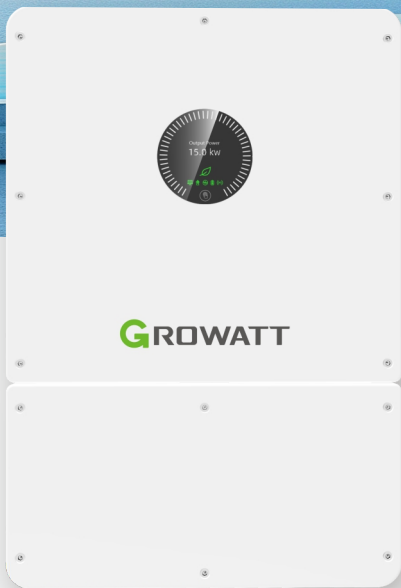


# WIT 4-15K-HU

- Max. string current up to 20A
- Max. charging/discharging current of 290A
- 100% unbalanced output: each phase up to 50% rated power
- 200% overload capability for 10 seconds
- Supports Max 6 pcs in parallel
- Integrated with generator input and smart load control



P O W E R  
- I N G O  
T O M O -  
R R O W O

Datasheet	WIT 4K-HU	WIT 5K-HU	WIT 6K-HU	WIT 8K-HU	WIT 10K-HU	WIT 12K-HU	WIT 15K-HU
<b>Input data (PV)</b>							
Max. recommended PV power (for module STC)	6400W	8000W	9600W	12800W	16000W	19200W	24000W
Max. input voltage				1000V			
Start voltage				180V			
Nominal voltage				600V			
MPPT voltage range				150V-850V			
Max. input current per MPP tracker	40A			20A		40A	
Max. short-circuit current per MPP tracker	50A			25A		50A	
No. of PV strings per MPP tracker	2			1		2/1	
No. of MPP trackers	1			2		2	
<b>Input/Output AC (Including the Gen Port)</b>							
AC input/output nominal power(Grid)	8000W/4000W	10000W/5000W	12000W/6000W	16000W/8000W	20000W/10000W	24000W/12000W	30000W/15000W
Max. AC input/output apparent power(Grid)	8800VA/4400VA	11000VA/5500VA	13200VA/6600VA	17600VA/8800VA	22000VA/11000VA	26400VA/13200VA	33000VA/16500VA
Max. input/output current(Grid)	13.4A/6.7A	16.7A/8.4A	20.0A/10.0A	26.6A/13.3A	33.3A/16.7A	40.0A/20.0A	50.1A/25.0A
Max. input current(GEN/AC couple)	12.2A/6.1A	15.2A/7.6A	18.2A/9.1A	24.2A/12.1A	30.3A/15.2A	36.4A/18.2A	45.4A/22.7A
Max. continuous AC passthrough current	50.1A						
Nominal AC voltage/range	220V/380V, 230V/400V, -15%~+10%						
Nominal AC grid frequency/range	50/60Hz, 45~55Hz/55~65 Hz						
Adjustable power factor	-1...+1						
THDi	<3%						
AC grid connection type	3P3W+PE/3P4W+PE						
<b>Battery data (DC)</b>							
Battery type	Lead-acid or Lithium-ion						
Battery voltage range/Rated voltage	40-60V/51.2V						
Max charging and discharging current	110A	125A	150A	200A	220A	250A	290A
BMS communication	RS485/CAN						
<b>Backup power (AC)*</b>							
Rated AC output power	4000W	5000W	6000W	8000W	10000W	12000W	15000W
Max. AC apparent power	2 time of rated power, 10s						
Rated AC output voltage	220V/380V, 230V/400V						
Nominal AC output frequency	50/60Hz						
Max. output current	12.2A@220V 11.6A@230V	15.2A@220V 14.4A@230V	18.2A@220V 20.0A@230V	24.2A@220V 23.2A@230V	30.3A@220V 29A@230V	36.4A@220V 34.8A@230V	45.5A@220V 43.4A@230V
THDv	3% (Linear load)						
Load unbalance	100% three-phase unbalanced						
On/off grid transfer time	10ms						
<b>Efficiency</b>							
Max. efficiency	97.60%						
European efficiency	97.00%						
MPPT efficiency	99.90%						
<b>Protection devices</b>							
PV reverse polarity protection	Yes						
DC switch	Yes						
DC/AC surge protection	Type II/Type III						
Insulation resistance monitoring	Yes						
Residual-current monitoring unit	Yes						
AC short-circuit protection	Yes						
Ground fault monitoring	Yes						
Grid monitoring	Yes						
Strings monitoring	Yes						
Anti-islanding protection	Yes						
AFCI function	Opt						
<b>General</b>							
Dimensions (W / H / D)	475/698/240mm						
Weight	43kg						
Operating temperature range	-30°C ... +60°C (> 45°C, derating)						
Noise	≤50dB(A)						
Relative humidity	0~100%						
Altitude	3000m						
Topology	Transformerless						
Cooling	Smart air cooling						
IP degree	IP66						
Display	OLED/LED+APP						
Interfaces: RS485/USB	Yes						
Monitor	ShineWilan-X2						
Warranty: 10 years	Yes						

IEC62109, EC 61000, IEC 61727, EC 62116, IEC 61683, IEC 60068, EN 50549, VDE 4105