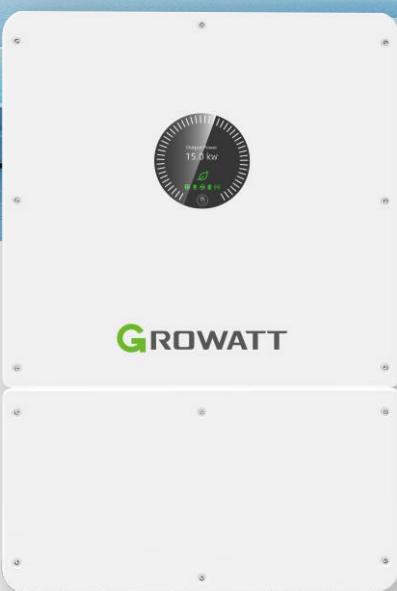
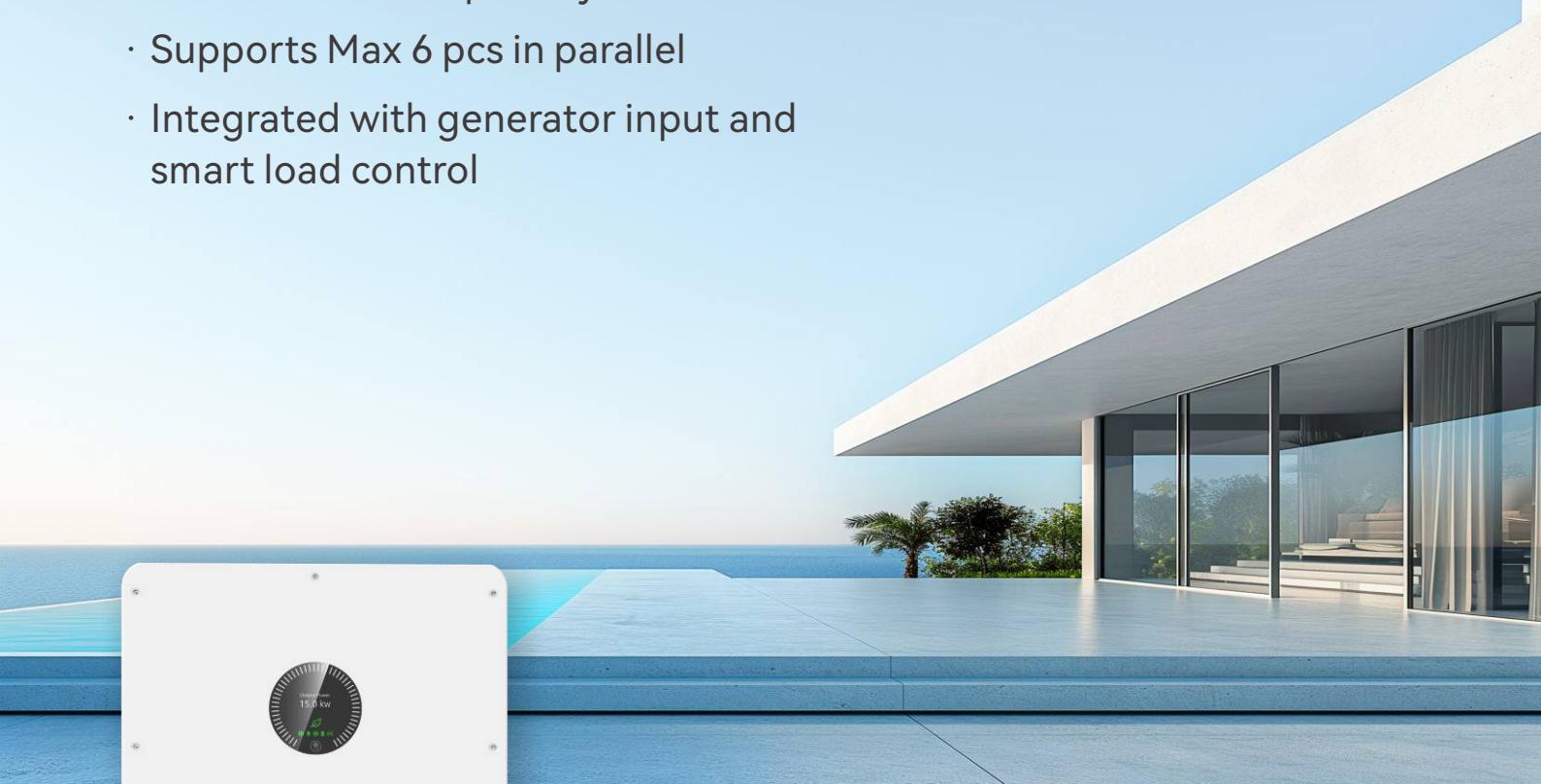


# WIT 4-15K-HU

- 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	15.2A	18.2A	24.2A	30.4A	36.4A	45.4A
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			
PID protection				Opt			
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			
Interfaces: WIFI/LAN				Yes			
Warranty (5/10 years)				Yes/Opt			

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