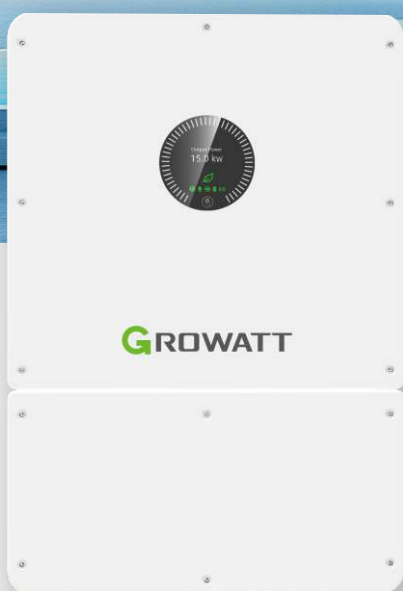


WIT 8-25K-XHU

- Max. string current up to 20A
- Max. charging/discharging current of 55A
- 110% continuous AC overloading capacity
- Support UPS function and black start
- Integrated with generator input and smart load control



Preliminary version

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



Datasheet	WIT 8K-XHU	WIT 10K-XHU	WIT 12K-XHU	WIT 15K-XHU	WIT 17K-XHU	WIT 20K-XHU	WIT 25K-XHU
Input data (PV)							
Max. recommended PV power (for module STC)	16000W	20000W	24000W	30000W	34000W	40000W	50000W
Max. input voltage				1000V			
Start voltage				180V			
Nominal voltage				620V			
MPPT voltage range				150V-850V			
Max. input current per MPP tracker				40A			
Max. short-circuit current per MPP tracker				50A			
No. of MPP trackers				2			
No. of PV strings per MPP tracker				2			
Input/Output AC (Including the Gen Port)							
AC input/output nominal power(Grid)	16000W/8000W	20000W/10000W	24000W/12000W	30000W/15000W	34000W/17000W	40000W/20000W	50000W/25000W
Max. AC input/output apparent power(Grid)	17600VA/8800VA	22000VA/11000VA	26400VA/13200VA	33000VA/16500VA	37400VA/18700VA	44000VA/22000VA	55000VA/27500VA
Max. input/output current(Grid)	26.67A/13.33A	33.33A/16.67A	40A/20A	50A/25A	56.67A/28.33A	66.67A/33.33A	83.33A/41.67A
Max. input current(GEN/AC couple)	24.24A/12.12A	30.30A/15.15A	36.36A/18.18A	45.45A/22.77A	51.51A/25.75A	60.61A/30.30A	75.76A/37.88A
Nominal AC voltage/range	220V/380V, 230V/400V, 240V/415V,-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						
Battery data (DC)							
Battery type				Lithium-ion			
Battery voltage range				120-800V			
Max charging and discharging current				55A			
Recommended battery voltage				512V			
BMS communication				RS485/CAN			
Backup power (AC)*							
Rated AC output power	8000W	10000W	12000W	15000W	17000W	20000W	25000W
Max. AC apparent power	2 times of rated power, 10s						
Rated AC output voltage	220V/380V, 230V/400V, 240V/415V						
Nominal AC output frequency	50/60Hz						
Max. output current	24.24A	30.30A	36.36A	45.45A	51.51A	60.61A	75.76A
THDv	3% (Linear load)						
Load unbalance	100% three-phase unbalanced						
On/off grid transfer time	< 10ms						
Efficiency							
Max. efficiency				98.10%			
European efficiency				97.20%			
MPPT efficiency				99.90%			
Protection devices							
PV reverse polarity protection				Yes			
DC switch				Yes			
DC/AC surge protection				Type II/Type II			
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			
AFCL function				Opt			
General							
Dimensions (W / H / D)				465×644×241mm			
Weight				45kg			
Operating temperature range				-30°C ... +60°C (> 45°C, derating)			
Noise				≤55dB(A)			
Relative humidity				0~100%			
Altitude				4000m			
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, EN 50549, VDE 4105							