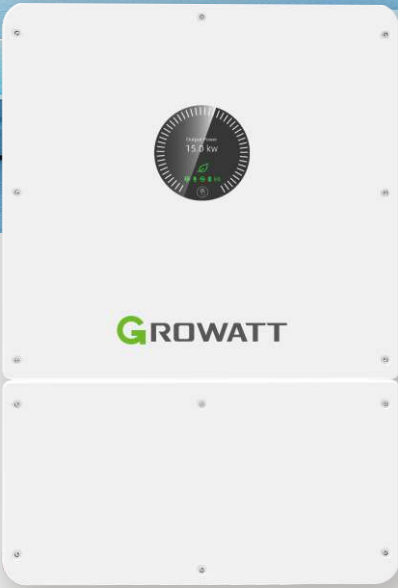


WIT 17-25K-HU

- Max. string current up to 20A
- Max. charging/discharging current of 420A
- 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
R R O W

Datasheet	WIT 17K-HU	WIT 18K-HU	WIT 20K-HU	WIT 22K-HU	WIT 25K-HU
Input data (PV)					
Max. recommended PV power (for module STC)	34000W	36000W	40000W	44000W	50000W
Max. input voltage			1000V		
Start voltage			160V		
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)	34000W/17000W	36000W/18000W	40000W/20000W	44000W/22000W	50000W/25000W
Max. AC input/output apparent power(Grid)	37400VA/18700VA	39600VA/19800VA	44000VA/22000VA	48400VA/24200VA	55000VA/27500VA
Max. input/output current(Grid)	54.20A/27.10A	57.39A/28.70A	63.77A/31.88A	70.14A/35.07A	79.71A/39.86A
Max. input current(GEN/AC couple)	49.28A/24.64A	52.17A/26.09A	57.97A/28.96A	63.77A/31.88A	72.46A/36.23A
Max. continuous AC passthrough current			80A		
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			3P+PE/3P+N+PE		
Battery data (DC)					
Battery type			Lead-acid or Lithium-ion		
Battery voltage range			40-60V		
Max charging and discharging current			420A		
Recommended battery voltage			51.2V		
BMS communication			RS485/CAN		
Backup power (AC)*					
Rated AC output power	17000W	18000W	20000W	22000W	25000W
Max. AC apparent power			2 time of rated power, 10 S		
Rated AC output voltage			220V/380V, 230V/400V		
Nominal AC output frequency			50/60Hz		
Max. output current	51.52A@220V	54.55A@220V	60.61A@220V	66.67A@220V	75.76A@220V
THDv			3%@(Linear load)		
Load unbalance			100% three-phase unbalanced		
On/off grid transfer time			< 10ms		
Efficiency					
Max. efficiency			97.6%		
European efficiency			97%		
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		
AFCI function			Opt		
General					
Dimensions (W / H / D)			475×698×240mm		
Weight			55kg		
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