

WIT 17-25K-XHU

- Max. string current up to 20A
- Max. charging/discharging current up to 55A
- 100% unbalanced output: each phase up to 50% rated power
- 200% overload capability for 10 seconds
- Supports Max 10 pcs in parallel
- Integrated with generator input and smart load control



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

Datasheet	WIT 17K-XHU		WIT 20K-XHU		WIT 25K-XHU	
Input data (PV)						
Max. recommended PV power (for module STC)	34000W		40000W		50000W	
Max. input voltage			1000V			
Start voltage			180V			
Nominal voltage			625V			
MPPT working 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		40000W/20000W		50000W/25000W	
Max. AC input/output apparent power(Grid)	37400VA/18700VA		44000VA/22000VA		55000VA/27500VA	
Max. input/output current(Grid)	56.67A/28.33A		66.67A/33.33A		83.33A/41.67A	
Max. input current(GEN/AC couple)	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	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	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 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					
General						
Dimensions (W / H / D)	465x644x241mm					
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, IEC 61000, IEC 61727, IEC 61683, IEC 60068, EC 62116, EN 50549, VDE 4105						