

WIT 17-25K-HU

- Max. string current up to 20A
- Max. charging/discharging current up to 420A
- 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-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			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	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)	56.670A/28.33A	60A/30A	66.67A/33.33A	73.33A/36.66A	83.33A/41.67A
Max. input current(GEN/AC couple)	51.51A/25.75A	54.55A/27.27A	60.61A/30.30A	66.67A/33.33A	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	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, 240V/415V				
Nominal AC output frequency	50/60Hz				
Max. output current	51.52A	54.55A	60.61A	66.67A	75.76A
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 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				
AFCL function	Opt				
General					
Dimensions (W / H / D)	475×695×241mm				
Weight	58kg				
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, IEC 61683, IEC 60068					