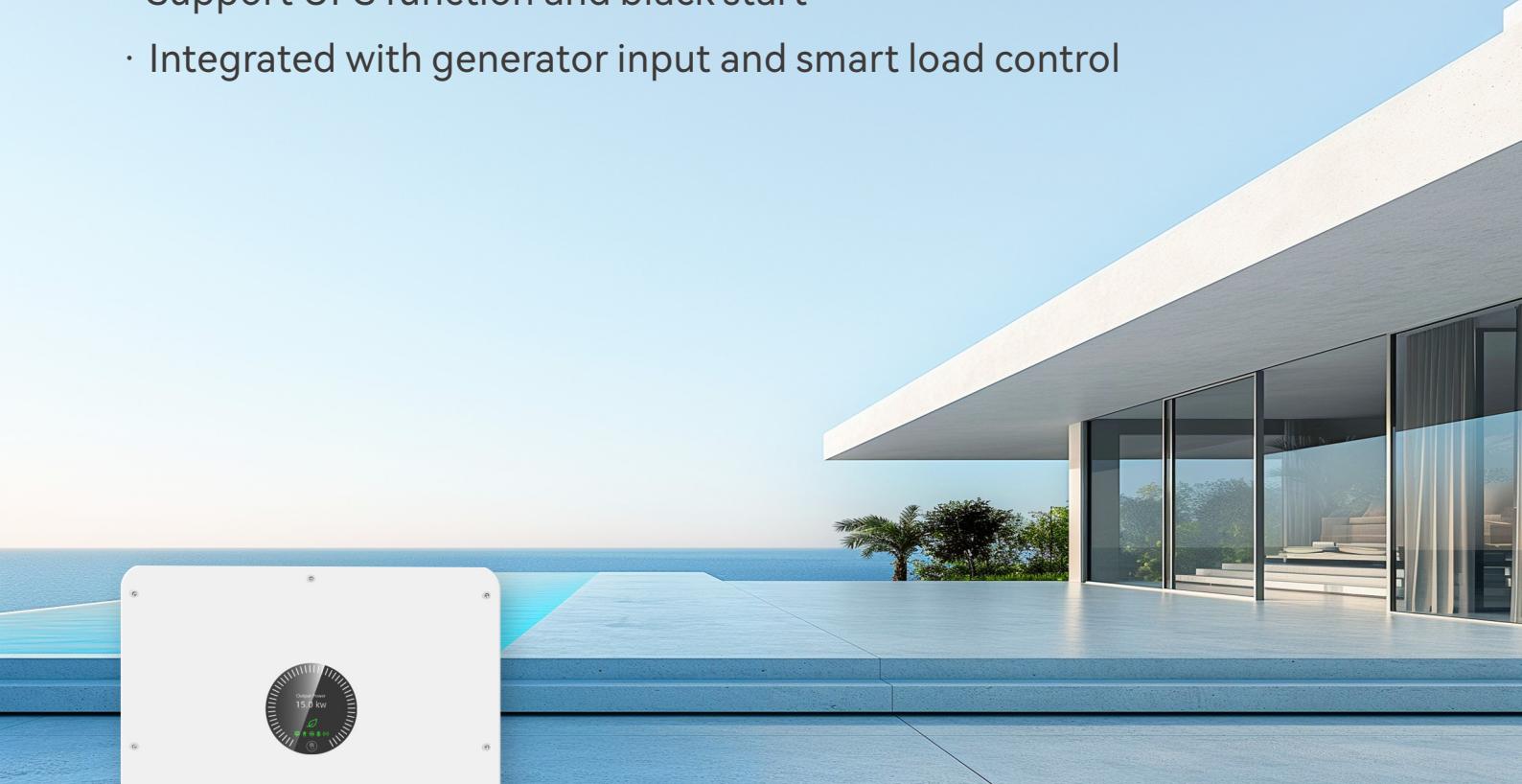
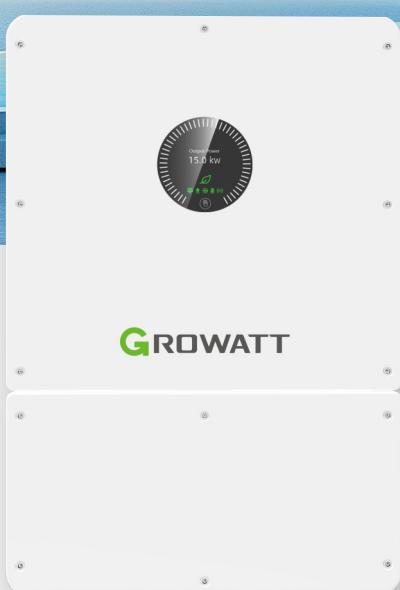


WIT 17-25K-XHU

- 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 O
T O M O -
R R O W O

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 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/27.75A	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 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)		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, EC 61000, IEC 61727, EC 62116, EN 50549, VDE 4105