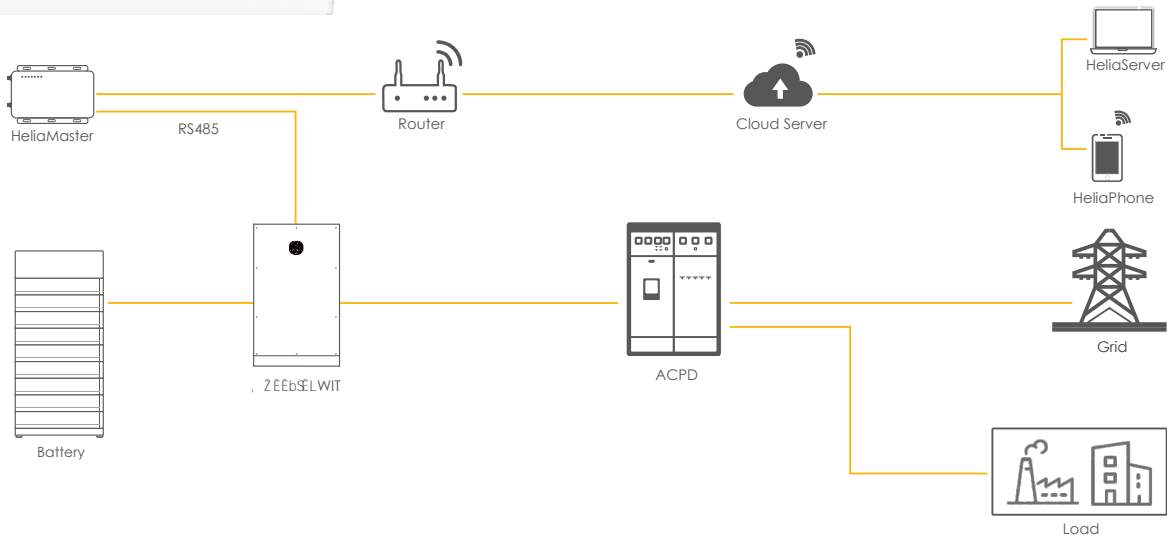
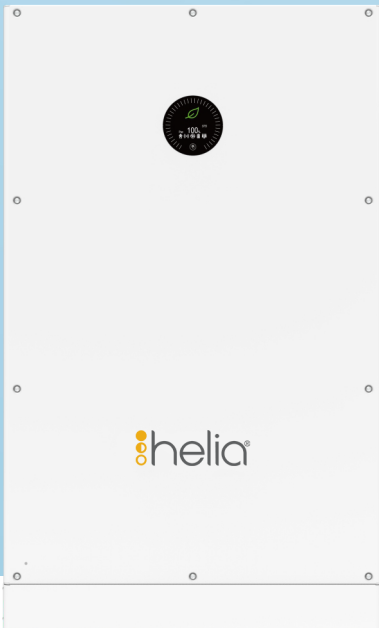


WIT 50-100KW

- Scalable system configuration, extend to 300kW
- 100% unbalanced load when backup
- 110% continuous AC overloading capacity
- Support remote control of DG
- Grid-support functions



* The WIT 50-100KW doesn't have the on/off grid transfer function, only suits for grid-tied or stand-alone application.

Datasheet	WIT 50KW	WIT 63KW	WIT 75KW	WIT 100KW
Output data (AC)				
AC nominal power	50000W	63000W	75000W	100000W
Max. AC apparent power	55KVA	69.3KVA	82.5KVA	110KVA
Nominal AC voltage	480V			
AC voltage range	-15%~+10%			
AC grid frequency	50/60 Hz			
AC grid frequency range	45-55Hz/55-65Hz			
Max. output current	66.1A	83.4A	99.2A	132.3A
Adjustable power factor	-1...+1			
THDi	<3%			
AC grid connection type	3P3W+PE			
Battery data (DC)				
Continuous charging and discharging power	56.7KW	71.4KW	85.1KW	113.5KW
Battery voltage range	750-1000V			
Recommended battery voltage	819.2V			
Max charging and discharging current	75.6A	95.2A	113.5A	151.3A
BMS communication	RS485/CAN			
Stand-alone (AC)				
Rated AC output power	50KW	63KW	75KW	100KW
Max. AC apparent power	60KVA	75.6KVA	90KVA	120KVA
Rated AC output voltage	480V			
Nominal AC output frequency	50/60 Hz			
Load connection	3P3W+PE			
Max. output current	72.2A	90.9A	108.2A	144.3A
THDv	<3% (Linear load)			
Load unbalance	100% three-phase unbalanced			
Overload	<110%: Continues 110%~120%: <1min >120%: 500ms			
Efficiency				
MAX. Battery charge/discharge efficiency	98.80%			
Protection devices				
Battery reverse protection	Yes			
AC/DC surge protection	Class II			
Insulation resistance monitoring	Yes			
Ground fault monitoring	Yes			
Grid monitoring	Yes			
Residual-current monitoring unit	Yes			
AC short-circuit protection	Yes			
Anti-islanding protection	Yes			
General				
Dimensions (W / H / D)	820/1350/560mm			
Weight	115kg	116kg	120kg	120kg
Operating temperature range	-30 °C~60 °C (> 50°C, derating)			
Relative humidity	0~100%			
Altitude	4000m			
Topology	Transformerless			
Cooling	Smart air cooling			
IP degree	IP65			
Display	LED/WIFI+APP			
Interfaces: RS485/CAN/USB	Yes			
Interfaces: WIFI/GPRS/4G	Opt			
Warranty (5/10 years)	Yes/Opt			

IEEE 1547-2018, IEEE 1547.1-2020 FCC Part 15 UL1741-2021,UL1741 SA/5B:2020

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