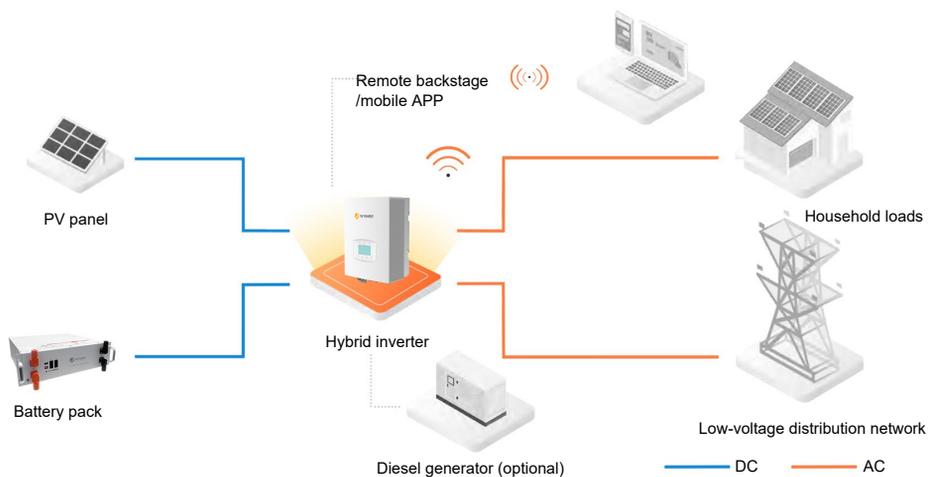


Single Phase Hybrid Inverter



Product Advantages

- Max. 120A battery charge and discharge current
- 15A MPPT current supports high power modules
- Supports diesel-electric access
- Support motor load
- The switching time between key load UPS on-grid and off-grid is less than 10 ms
- Natural heat dissipation without fan



Hybrid Inverter (Single Phase) 3-6kW

Model	TU-3K1P-02-LV	TU-3.6K1P-02-LV	TU-4.6K1P-02-LV	TU-5K1P-02-LV	TU-6K1P-02-LV
DC Input					
Max. input power	5kW	5.5kW	8kW		
Max. input voltage	580V				
Rated input voltage	350V				
Start-up voltage	120V				
MPPT voltage range	90-520V		120-520V		
Max. input current	15A/15A				
MTTP number / Max. number of PV series	2/2				
Battery					
Battery type	Lead-acid / Li-ion				
Battery voltage range	42-58V				
Max. charging / discharging power	3kW		5kW		
Max. charging / discharging current	72A		120A		
BMS communication	RS485/CAN				
AC Output (Backup and off-grid)					
Rated output power	3kW	3.6kW	4.6kW	5kW	6kW
Max. apparent output power	3.3kVA	4kVA	4.6kVA	5.5kVA	6.6kVA
Switching time between on-grid and off-grid	<10ms				
Rated output voltage	230VAC 50Hz/220VAC 60Hz				
THDv	<3%				
AC Output (on-grid)					
Rated output power	3kW	3.6kW	4.6kW	5kW	6kW
Max. output power	3.3kW	4kW	4.6kVA	5.5kW	6.6kW
Max. output current	15.1A	18.2A	23.2A	25.2A	30.3A
Rated grid voltage / frequency	1/N/PE 230VAC 50Hz/220VAC 60Hz				
Output power factor	>0.99 (0.8 ahead ~ 0.8 lagging)				
THDi	<2%				
Efficiency					
Max. conversion efficiency	≥97.4%				
Chinese efficiency	≥96.6%				
General					
Dimensions (W*H*D)	356mm*526mm*232mm				
Weight	≤21.5kg				
Degree of protection	IP66				



Wysher ESS Co., Ltd.



www.wysher-ess.com



info@wysher-ess.com