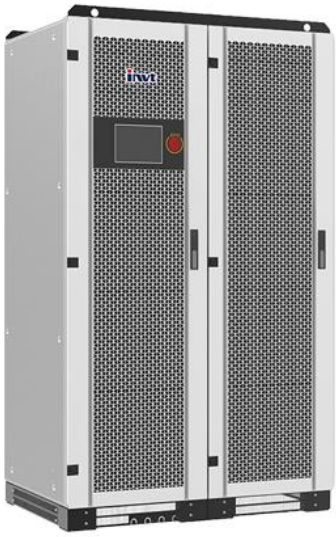
1. Convenient

* Integrated design to support loads,batteries,power grids, diesel generators and PV be connected



* Integrated EMS function,power supply security and stability, maximum utilization of new energy.

2. Flexible

* Various working modes can be set flexibly

* Flexible battery Type(li-ion,lead-acid)

* PV controller can be expanded to facilitate flexible configuration of photovoltaic capacity

3. Reliable

* Prediction intelligent battery management and discharge time

* CAN and RS485 communication interface,modbus protocol

* Seamless transfer between on and off grid

* Strong load adaptability

* Perfect protection function to protect inverters and batteries.

4. Intelligent

* Seamless automatic switching

* Support RS485 / CA

	BD30KTR-P	BD50KTR-P	BD100KTR-P	BD150KTR-P	BD250KTR-P	BD500KTR-P
AC (On-grid)						
Apparent Power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Aated Power	30kW	50kW	100kW	150kW	250kW	500kW
Rated Current	43A	72A	144A	217A	361A	722A
Rated Voltage	400V					
Rated Frequency	50Hz / 60Hz					
Rated Grid Voltage	320V ~ 460V, 3W + N + PE					
Topology	Transformer					
Power Factor	1 (0.8 leading~ 0.8 lagging)					
THDi	<3%					
AC (Off-grid)						
Apparent Power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Aated Power	30kW	50kW	100kW	150kW	250kW	500kW
Rated Current	43A	72A	144A	217A	361A	722A
Rated voltage	400V					
Rated Frequency	50Hz / 60Hz					
Overload Capability	110%, 10 mins; 120%, 1 mins					
THDU	≤2% Linear					
Input (PV)						
Max. PV Input Voltage	1000V					
Max. PV Input Power	60kW / 120kW		120kW / 180kW / 240kW		300kW / 360kW	600kW / 660kW / 720kW
MPPT Voltage Range	200V ~ 850V					
Number of MPP Trackers	1 / 2		2 / 3 / 4		5 / 6	10 / 11 / 12
Battery						
Battery Voltage Range	250V ~ 850V		420V ~ 850V		500V ~ 850V	
Battery Full Load Operating Voltage	420V ~ 850V		450V ~ 850V		500V ~ 850V	
Communication						
Display	LCD					
Communication	RS485 / CAN					
General Data						
Dimensions (W x H x D)	800 x 1900 x 800mm		1200 x 2050 x 800mm		1800 x 2050 x	2800 x 2050 x
Weight	440kg	620kg	900kg	1250kg	1700kg	3520kg
Operation Temperature	-25°C ~ +55°C					
Cooling Method	Forced Air Cooling					
Protection Degree	IP20					
Noise Emission	<75dB					
Max. Operating Altitude	5000m (derating above 3000 m)					
Relative Humidity	0 ~ 95% (non-condensing)					