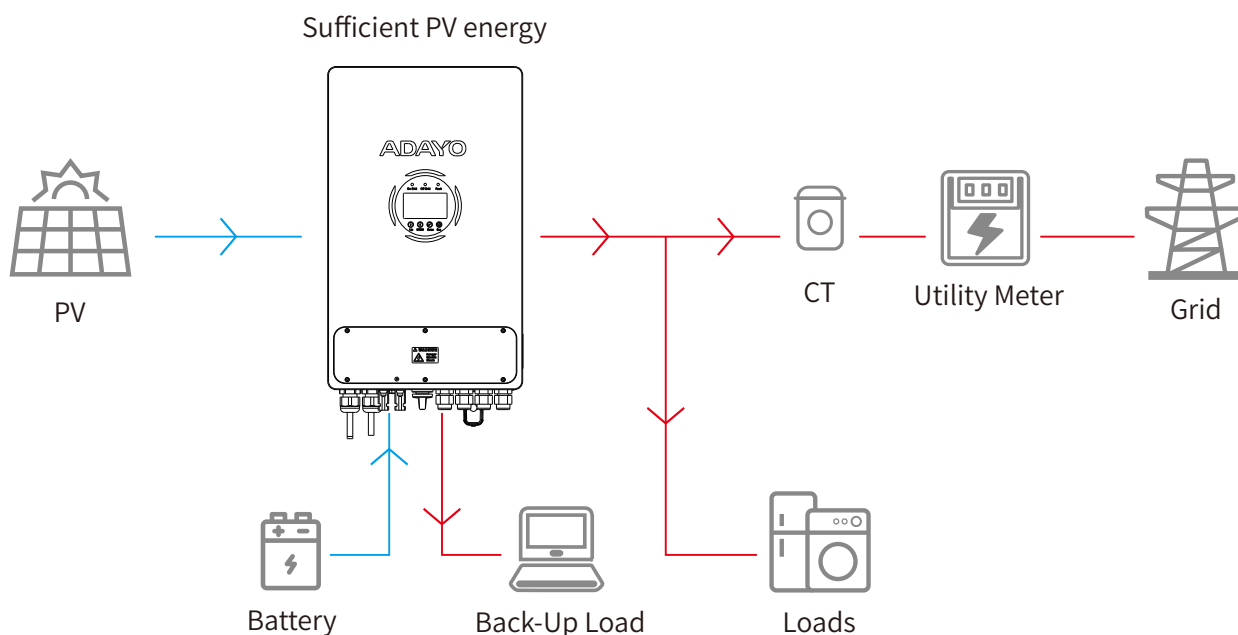


Priority order: Load > Grid > Battery



10. Technical Parameters

Model	ED5000A	ED4600A	ED3600A
PV Input (DC)			
Max input power(W)	7000W	6600W	5200W
Max input voltage(V)	500V		
Starting voltage	150V		
PV input voltage range	150V ~ 500V		
MPPT voltage range	120V ~430V		
MPPT quantity	2		
Number of Strings per MPPT	1		
Max. Input Current per MPPT (A)	15A		
AC Output Data			
Nominal Apparent Power Output to Utility Grid (W)	5000W	4600W	3600W
Max. Apparent Power Output to Utility Grid (VA)	5500VA	4600VA	3690VA
Max. AC Current Output to Utility Grid (A)	23.9A	20A	17.2A
Nominal Output Voltage (V)	320V		
Nominal AC Grid Frequency (Hz)	50Hz		
Max. Total Harmonic Distortion	<3%		
Power Factor (cos)	~0.99 (Adjustable from 0.8 leading to 0.8 lagging)		

Model	ED5000A	ED4600A	ED3600A
AC Output Data (Back-up)			
Back-up Nominal Apparent Power (W)	4500W	4500W	3600W
Nominal Output Voltage (V)	230V		
Nominal Output Frequency (Hz)	50Hz (60Hz optional)		
Switch Time	<20ms (capacitive load); <10ms (resistive load)		
Total Harmonic Distortion (Linear Load)	<3%		
Overload Capacity	110% 30s / 120% 10s / 150% 80ms		
Battery			
Battery Voltage Range (V)	41.6~ 58.5		
Max. Continuous Charging Current (A)	95A (PV&AC hybrid charging)	95A (PV&AC hybrid charging)	80A (PV&AC hybrid charging)
Max. Continuous Discharging Current (A)	100A	100A	85A
Battery Type	Lithium / Lead-Acid		
Communication Way	RS485/CAN		
Conversion Efficiency			
Max. Efficiency	97.8%		
EU Efficiency	97%		
Max. Battery to AC Efficiency	95%		
MPPT Efficiency	99.99%		
IP Rate	IP65		
Noise	<35dB		
Operating Temperature Range (°C)	-25OC~60OC		
Cooling Method	Natural Convection		
Relative Humidity	0 to 95 %, non-condensing		
Installation Altitude above Sea Level	Up to 2000 m above sea level		
Self-consumption at Night (W)	<10W		
Display	LCD		
Communications	RS485/CAN/ Wifi		
Warranty	5 years		
Dimensions (W x H x D mm)	350 x 580 x 230mm		
Net Weight	25kg ±0.5kg		
Gross Weight	28Kg ±0.5kg		