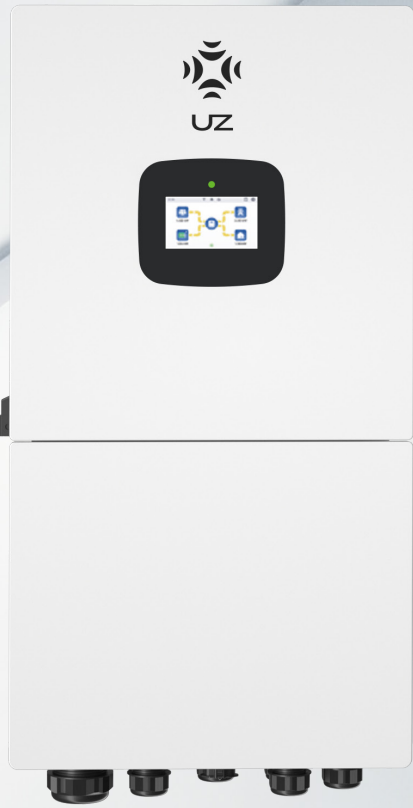


BD Series

Split Phase Hybrid Series



Maximize Pv Input Power



Versatile Applications



Flexible Battery Configuration



Stable Output Power

- Up to 200% oversizing with 3 MPPT, 30A PV input
 - Seamless backup transition (<10ms)
 - Built-in DC breaker with AFCI & rapid shutdown
- Supports 40-64V Li-ion/lead-acid, max 210A
 - Support 120/240/208Vconnections
 - Multiple modes with remote setup & upgrade

Model	SEL-5KAH-130DU	SEL-6KAH-130DU	SEL-7K6AH-180TU	SEL-10KAH-210TU	SEL-11K4AH-210TU
Efficiency					
Max. Efficiency (PV to AC)	98.0%				
Max. Efficiency (BAT to AC)	94.5%				
CEC. Efficiency	96.5%				
Input (PV)					
Max. PV Input Power	7,500 W	9,000 W	12,000 W	15,000 W	15,000 W
Max. PV Voltage	600 V				
Start-up Voltage	90 V				
MPPT Operating Voltage Range	70 V - 540 V				
Max. Input Current per MPPT	30 A/22 A		30 A/22 A/22 A		
Max Short Current Per MPPT	40 A/30 A		40 A/30 A/30 A		
String Per MPPT	2/2		2/2/2		
Nos. of MPPT	2		3		
Input / Output (BAT)					
Battery Type	Lithium-ion/Lead-acid				
Nominal Battery Voltage	48 V				
Battery Voltage Range	40 V - 64 V				
Max. Charge/Discharge Current	210 A/130 A	210 A/130 A	210 A/180 A	210 A/210 A	210 A/210 A
Max. Charge/Discharge Power	10,000 W/5,000 W	10,000 W/6,000 W	10,000 W/7,600 W	10,000 W/10,000 W	10,000W/10,000W
Output (Grid)					
Nominal AC Output Power	5,000 W	6,000 W	7,600 W	10,000 W	10,000 W
Max. AC Output Apparent Power	5,500 VA	6,600 VA	7,600 VA	11,000 VA	11,400 VA
Max. AC Output Power (PF=1)	5,500 W	6,600 W	7,600 W	11,000 W	11,400 W
Nominal AC Output Current	20.9 A	25 A	31.7 A	41.7 A	41.7 A
Max. AC Output Current	22.9 A	27.5 A	34.8 A	45.8 A	47.5 A
Nominal Grid Voltage	120/240V (Split phase) , 120/208V (2/3 phase)				
Nominal Grid Frequency	50 Hz /60 Hz				
Grid Frequency Range	45 Hz - 55 Hz/55 Hz - 65 Hz (Adjustable)				
Power Factor	> 0.99 @ Rated power (Adjustable 0.8 LG – 0.8 LD)				
THDI	< 3% @ Rated Power				
Output (Back up)					
Nominal Output Power	5,000 W	6,000 W	7,600 W	10,000 W	10,000 W
Max. AC Output Power (PF=1)	5,500 W	6,600 W	7,600 W	11,000 W	11,400 W
Nominal Output Current	20.9 A	25 A	31.7A	41.7 A	41.7 A
Peak Output Apparent Power(1s)	10,000 VA	12,000 VA	15,200VA	20,000 VA	20,000 VA
Nominal Output Voltage	120/240 V (Split phase) / 120/208 V (2/3 phase)				
Nominal Output Frequency	50 Hz/60 Hz				
Transfer Time	< 10 ms (Typical)				
THDV	< 3% @ 100% R Load				
Protection					
Protection Category	Class I				
DC Switch	Yes				
Anti-islanding Protection	Yes				
AC Overcurrent Protection	Yes				
DC/AC Overvoltage Protection	DC Type II, AC Type IV				
AC Short Circuit Protection	Yes				
DC Reverse Protection	Yes				
Surge Arrester	DC Type II, AC Type II				
Insulation Resistance Detection	Yes				
Leakage Current Protection	Yes				
AFCI/RSD Monitoring	Yes				
General					
Max. Operation Altitude	2,000m				
Ingress Protection Degree	NEMA 3R				
Operating Temperature Range	-25 °C ~ 60 °C (>45 °C derating)				
Relative Humidity	0 ~ 100%				
Cooling Method	Fan Cooling				
Mounting	Wall bracket				
Dimensions (W*H*D)	16.5*31.5*9.4 inch (420*800*240 mm)				
Weight	44Kg/97lb				
HMI & COM					
Display	Wireless & APP + LED, LCD (optional)				
Communication Interface	CAN (for BMS), RS485 (for meter), RS485, CAN (for parallel), Optional: Wi-Fi/LAN				
Certification					
Safety	UL 1741 / CSA C22.2 / UL 1699B				
EMC	FCC Part 15 Class B				
Grid Code	UL1741SA, UL1741SB, UL 1741 PCS CRD, IEEE1547, HECO SRD 2.0, CSIP				
Warranty	5 Years/10 Years (Optional)				

Remarks: • The range of output voltage and frequency may vary depending on different grid codes.
• Specifications are subject to change without advanced noticed.