

KE-U (T) TL Off-grid Inverter

KE-U (T) TL off-grid inverter, which have function of solar tracking, battery charging and discharging management and boosting, is suitable for residential, villas and other places where achieves independent energy storage and power generation. When sunlight is sufficient, photovoltaic cells supplies power to the load through inverter; when insufficient, power grid to the load; when sunlight is sufficient and power grid is abnormal, the battery output supplies power to load through inverter.



Parameter Table

Technical Parameter	KE- U3KTL	KE- U5KTL	KE- U10KTL\KE- T10KTL	KE- T20KTL
Rated Power	3000W	5000W	10000W	20000W
Maximum AC Output Current	16.4A	27.3A	45.5A\15.2A×3	30.4A×3
Rated Voltage	220V/380V AC+20%, 50/60Hz+1Hz, sine wave<3% THD			
Voltage Range	176-264V AC			
Standby Loss	≤15W			
Display	LCD, HMI			
Communication	wireless RS232/485, TCP/IP			
Spare Power Switching Time	<5 ms			
Maximum Input DC Current	18.4A	30.5A	45.8A	84.6A
Access	1		4	
MPPT	1			
Input Voltage	180-360V DC			
Connector	MC4			
Maximum Efficiency	97.00%		96.8%	
MPPT Efficiency	99.00%			
Power Factor	>0.99 (rated power)			
Battery				
Battery Charge Voltage	168	192	240	264
Battery output Voltage	12V DC/pcs			
No. Battery	14	16	20	22
Battery Type	gel battery, lead-acid battery, phosphoric acid iron-li.			
Battery Capacity	recommended 85~200 A·hour			
Charging Curve	constant current, constant voltage, floating, three stage charging			
Operating Temperature	-25℃ to +50℃			
Storage temperature	-40℃ to +70℃			
Humidity	≤90%, no condensation			
Cooling	natural	fan cooling		