



DK3000~5000

Power Supply

3-5KW 3-5KWh

- Large capacity, High power
- Pure sine wave output,
- LCD display, visualization of operating data

PARAMETER		
Model	DK3000	DK5000
Rated power	3200W	5000W
Capacity	3KWh	5.12KWh
PV PARAMETER		
Working model	MPPT	
Rated PV input voltage	360VDC	
MPPT tracking voltage range	120-450V	
Max input voltage (VOC) at lowest temperature	500V	
Max input power	4000W	6000W
Number of MPPT tracking paths	1 Path	
INPUT		
DC input voltage range	21-30VDC	42-60VDC
Rated mains power input voltage	220/230/240VAC	
Grid power input voltage range	170~280VAC(UPS model)/120~280VAC(inverter model)	
Grid input frequency range	40~55Hz(50Hz) 55~65Hz(60Hz)	
OUTPUT		
Inverter	Output efficiency	94%
	Output voltage	220VAC±2%/230VAC±2%/240VAC±2%(Inverter model)
	Output frequency	50Hz±0.5 or 60Hz±0.5(Inverter model)
Grid	Output efficiency	≥99%
	Output voltage range	Following input
	Output frequency range	Following input
Battery mode no-load loss	≤1%(At rated power)	
Grid mode no-load loss	≤0.5% Rated power(the charger of grid power doesn't work)	
BATTERY		
Battery type	Lead acid battey	Equalizing charging 13.8V Floating charging 13.7V (single battery voltage)
	Customized battery	The parameter can be set according to customers' requirement (Use different types of battery by setting the panel)
Max mains charging current	60A	
Max PV charging current	80A	
Max charging current(Grid+PV)	80A	
Charging method	Three-stage (constant current, constant voltage, float charge)	
PROTECTED MODE		
Battery low voltage alarm	Factory default setting: 44V	
Battery low voltage protection	Factory default setting: 42V	
Battery Over voltage Protection	61VDC	
Overload power protection	Automatic protection (battery mode), circuit breaker or fuse (mains mode)	
Inverter output short circuit protection	Automatic protection (battery mode), circuit breaker or fuse (mains mode)	
Temperature protection	≥90°C off output	
PERFORMANCE PARAMETERS		
Conversion time	≤4ms	
Cooling method	Intelligent cooling fan	
Working temperature	-10~40°C	
Storage temperature	-15~60°C	
Altitude	2000m(>2000m altitude need derating)	
Humidity	0~95% (No condensation)	
Product Size	500*300*340mm	500*300*340mm
Package Size	600*400*440mm	600*400*440mm
Net weight	42kg	55kg
Gross weight	48kg	65kg