

SOLAR UPS

- True double-conversion online UPS
- Output power factor 1.0
- Built-in 80A MPPT solar charger and 60A AC charger
- Configurable AC/Solar input priority via LCD setting
- Parallel operation up to 9 units
- Common 48Vdc battery pack for the parallel system
- Configurable charging current via LCD setting
- Compatible with Generator
- Cold Start capability
- Overload and short circuit protection



TECHNICAL SPECIFICATIONS

MODEL		SOLAR UPS 5kW	
Maximum PV input power	4000W		
Capacity	5000VA/5000W		
INPUT			
Voltage	230 VAC		
Voltage range	110-280 VAC		
Frequency range	50Hz/60Hz (auto sensing)		
Power factor	> 0,98 @ Nominal voltage (@ 100% load)		
THDi	< 10%		
OUTPUT			
AC Voltage regulation	230VAC ± 5%		
Frequency range	46~54Hz or 56~64Hz		
Frequency range (battery mode)	50Hz		
Voltage THD	≤ 3% THD (linear load) , ; ≤ 5 % THD (non linear load)		
Efficiency (peak)	93%		
Transfer time AC mode to battery mode	Sıfır		
Transfer time Inverter to bypass	4 ms		
Waveform	Pure sinewave		
EFFICIENCY			
Line mode	93%		
Eco mode	99%		
Battery mode	90%		
BATTERY			
Battery voltage	48 VDC		
Floating charge voltage	54 VDC		
Overcharge protection	66 VDC		
SOLAR CHARGER & AC CHARGER			
Solar charge type	MPPT		
Maximum PV array power	4000 W		
MPPT range @ operating voltage	60 VDC ~115 VDC		
Maximum PV array open circuit voltage	145 VDC		
Maximum solar charge current	80 A		
Maximum AC charge current	60 A		
PHYSICAL			
Dimensions, HxWxD (mm)	336x190x465		
Net weight (kg)	16,0	10	
Communication interface	RS232 & USB		
OPERATING ENVIRONMENT			
Humidity	%5 to %95 (non condensing)		
Operating temperature	0°C to 55°C		
Storage temperature	-15°C to 60°C		