

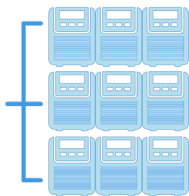
HYBRID SOLAR UPS

5KVA ONLINE UPS

Ideal for medium-density power protection demand, NEOLINE Solar UPS is equipped with a custom designed, 48V battery system, that brings you flexibility when deploying your solutions. Featuring true double-conversion technology, built-in MPPT solar charger, and easily accessible LCD display panel, the Solar UPS will be a premier choice for professional across industries that seeks reliable, clean and low cost power protections.



1 phase in / 1 phase out



**9 Units
Parallel operation**
Connect up to 9 units for maximum power with the parallel port (optional)

GENERAL SPECIFICATIONS

- Parallel operation up to 9 units (optional with parallel port)
- True double-conversion online UPS
- Output power factor 1
- Input power factor correction 0.99
- Built in MPPT solar charger
- Configurable AC/Solar input priority via LCD setting
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart Battery Charger
- Cold Start function
- Wide input voltage 110 V – 280 V
- AC charger 60 & mppt solar charger 80A
- Optional high power charging current

NEOLINE SOLAR

ONLINE UPS *1 phase in / 1 phase out* 5 kVA



MODEL		5KL
MAXIMUM PV INPUT POWER		4000W
CAPACITY		5000 VA / 5000 W
INPUT		
Voltage		230 VAC
Voltage Range		110-280 VAC
Frequency Range		50Hz/60 Hz (Autosensing) \pm 4Hz
Power Factor		\geq 0.98 @ Nominal Voltage (100% load)
THDi		<10%
OUTPUT		
AC Voltage Regulation (Batt. Mode)		230 VAC \pm 5%
Frequency Range (Synchronized Range)		46~ 54 Hz or 56 ~ 64 Hz
Frequency Range (Batt. Mode)		50 Hz
Harmonic Distortion		\leq 3 % THD (Linear Load) \leq 5 % THD (Non-linear Load)
Transfer Time	AC to DC	Zero
	Inverter to Bypass	4 ms (Typical)
Waveform		Pure Sinewave
EFFICIENCY		
Line Mode		93%
ECO Mode		99%
Battery Mode		90%
BATTERY		
Battery Voltage		48Vdc
Floating Charge Voltage		54Vdc
Overcharge Protection		66Vdc
SOLAR & AC CHARGER		
Solar Charger Type		MPPT
Maximum PV Array Open Circuit Voltage		145 VDC
Maximum PV Array Power		4000W
MPPT Range @ Operating Voltage		60 VDC - 115 VDC
Maximum Solar Charge Current		80A
Maximum AC Charge Current		60A
PHYSICAL		
Dimensions, D x W x H (mm)		465 x 190 x 336
Net Weight (kgs)		16
Communication Interface		RS232 & USB
OPERATING ENVIRONMENT		
Humidity		5-95 % Relative Humidity (non-condensing)
Operating Temperature		-10°C to 50°C
Storage Temperature		-15°C to 60°C

Product specifications are subject to change without further notice