



VEBKO LUMEN 5.0K

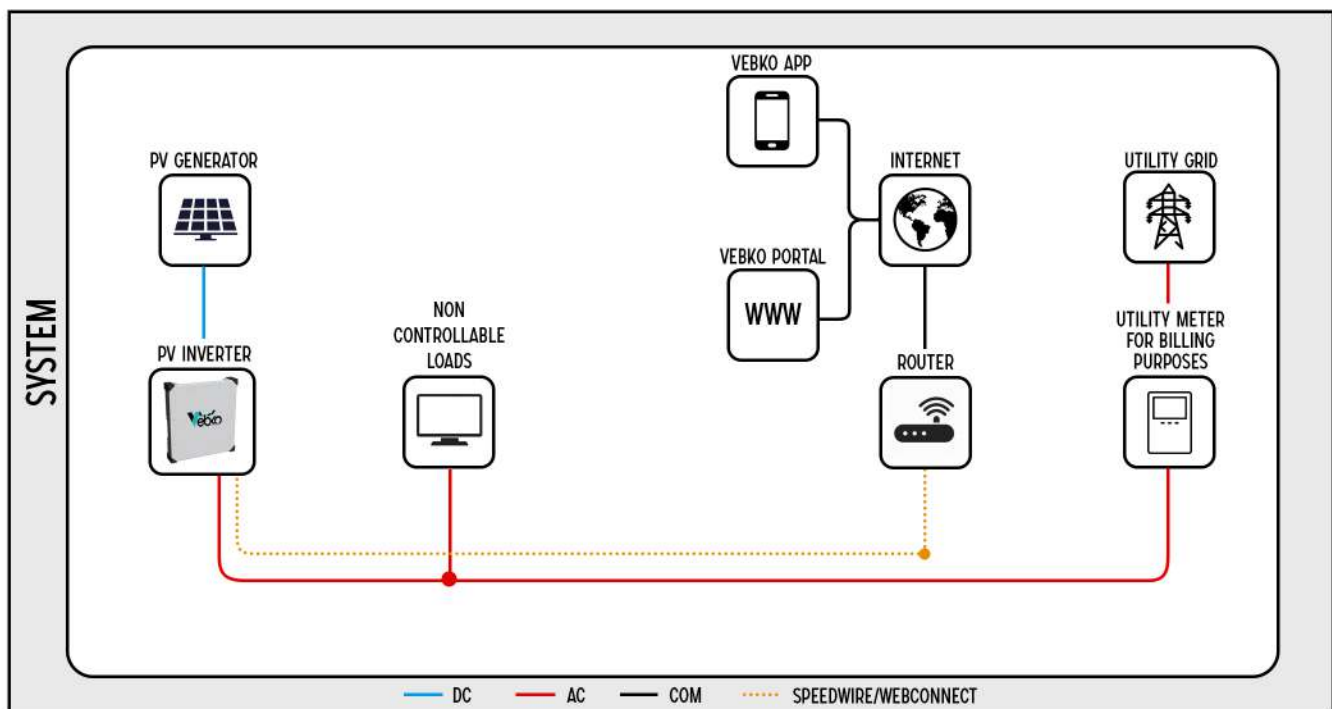
– INTELLIGENT SOLAR POWER GENERATION

EASY TO USE

- 100% PLUG AND PLAY INSTALLATION
- FREE ONLINE MONITORING VIA VEBKO ENERGY APP
- WARRANTY EXTENSION FROM 5 TO 10 YEARS - FREE OF CHARGE

COMPACT

- ONE-PERSON INSTALLATION DUE TO LIGHT WEIGHT
- MINIMUM SPACE REQUIREMENTS



SYSTEM FUNCTIONS

- EASY COMMUNICATION VIA INTEGRATED WLAN
- MAXIMUM TRANSPARENCY VIA VEBKO PORTAL/VEBKO ENERGY APP
- MODBUS AS INTERFACE FOR THIRD-PARTY PROVIDERS
- REMOTE FIRMWARE UPGRADE WITH SIMPLE OPERATION

Technical data	LUMEN 5.0
Input (DC)	
Max. generator power	7500 Wp
Max. input voltage	600 V
MPP voltage range	175 V to 500 V
Rated input voltage	365 V
Min. input voltage / initial input voltage	100 V / 125 V
Max. usable input current input A / input B	15 A / 15 A
Max. DC short-circuit current input A / input B	20 A / 20 A
Number of independent MPP inputs / strings per MPP input	2 / A:2; B:2
Output (AC)	
Rated power (at 230 V, 50 Hz)	5000 W
Rated / Max. apparent power	5000 VA / 5000 VA
Rated voltage / range	220 V, 230 V, 240 V / 180 V to 280 V
Power frequency / range	50 Hz, 60 Hz / -5 Hz to +5 Hz
Rated power frequency / rated grid voltage	50 Hz / 230 V
Rated / Max. output current	22 A / 22.8 A
Power factor at rated power	1
Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited
Feed-in phases / connection phases	1 / 1
Efficiency	
Max. efficiency / European Efficiency	97.0% / 96.5%
Protective devices	
Input-side disconnection point	✓
Ground fault monitoring / grid monitoring	✓ / ✓
DC reverse polarity protection / AC short circuit current capability / galvanically isolated	✓ / ✓ / -
All-pole-sensitive residual-current monitoring unit	✓
Protection class (as per IEC 61140) / overvoltage category (according to IEC 60664-1)	I / III
Arc-fault circuit interrupter (AFCI) / IV and P-V diagnostic function	✓ / ✓
General data	
Dimensions (W / H / D)	435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)
Weight	17.5 kg (38.5 lb)
Operating temperature range	-25°C to +60°C (-13°F to +140°F)
Noise emission, typical	25 dB(A)
Self-consumption (at night)	5.0 W
Topology	Transformerless
Cooling method	Convection
Degree of protection (as per IEC 60529)	IP65
Climatic category (as per IEC 60721-3-4)	4K4H
Max. permissible value for relative humidity (non-condensing)	100%
Equipment	
DC connection / AC connection	MC4 / AC connector
Display via smartphone, tablet, laptop	✓
Interfaces: WLAN / Ethernet / RS485	✓ / ✓ / ✓
Communication protocols	Modbus , Webconnect,
Shade management: integrated MPPT	✓
Warranty: 5 / 10 / 15 years	✓ / ✓ / O
Certificates and approvals (more available upon request)	IEC62116 , ISIRI11859 , IEC62109-1,2 , IEC61000 SERIES

✓ Included ○ Optional - Not available