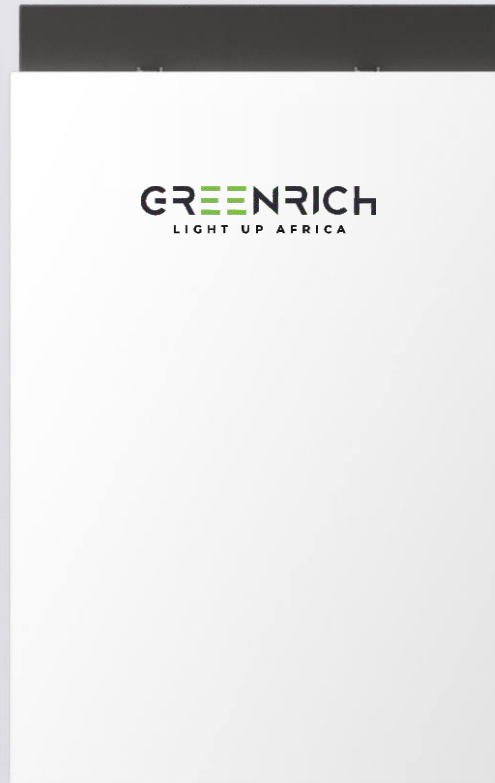


**INVERTERS**




# It carries the overload

New PRO model provides solutions for demanding power scenarios




GR-(3-8)K1P-L-PRO


# Greenrich Inverters

**200%**  
Power Surge Overload  
  
\*10 Seconds

**Smart App**  
Change Setting Remotely  


**Weather Proof**  
IP66 rating  


**150%**  
More Solar Power  


**Bluetooth**  


**Black Start Button**  


INPUT DC (PV SIDE)	3KW	3.6KW	5KW	6KW	8KW
Recommended max. PV power	4.5kW	5.76 kW	8.1	9.6kW	12.8 kW
Max. input voltage	600V				
Rated voltage	90V				
Start-up voltage	90V				
MPPT voltage range	90-520V				
Max. input current	16A/ 16A				32A/20A
Max. short circuit current	24A/24A				36A/30A
MPPT number/Max. input strings number	2/2				2/3

BATTERY	3KW	3.6KW	5KW	6KW	8KW
Battery type	Li-ion/ Lead-acid				
Battery voltage range	40-60V				
Max. charge/ discharge power	3kW	3.6kW	5kW	6kW	8kW
Max. charge/ discharge current	70A	80A	112A	135A	190A
Communication	CAN/RS485				

OUTPUT AC (GRID SIDE)	3KW	3.6KW	5KW	6KW	8KW
Rated output power	3kW	3.6kW	5kW	6kW	8kW
Max. apparent output power	3.3 kVA	4 kVA	5.5 kVA	6.6 kVA	8.8 kVA
Operation phase	1/N/PE				
Rated grid voltage	220 V /230 V				
Rated grid frequency	50 Hz/ 60 Hz				
Rated grid output current	13.6A/13.0A	16.4 A/ 15.7 A	22.7 A/21.7 A	27.3A/26.1A	36.4 A/ 34.8 A
Max. output current	15A	20A	25A	30A	40A
Power factor	>0.99 (0.8 leading- 0.8 lagging)				
THDi	<2%				

INPUT AC (GRID SIDE)	3KW	3.6KW	5KW	6KW	8KW
Input voltage range	187-253 V				
Max. input current	20A	25A	32A	40A	50A
Frequency range	45-55 Hz/ 55-65 Hz				



## GR-(3-8)K1P-L-PRO

# Greenrich Inverter

OUTPUT AC (BACK-UP)	3KW	3.6KW	5KW	6KW	8KW
Rated output power	3kW	3.6 kW	5kW	6 kW	8 kW
Max. apparent output power	2 times of rated power, 10 s				
Back-up switch time	<4 ms				
Rated output voltage	1/N/PE, 220 V / 230 V				
Rated frequency	50 Hz/ 60 Hz				
Rated output current	13.6A/ 13.0A	16.4 A/ 15.7 A	22.7 A/ 21.7 A	27.3 A/ 26.1A	36.4 A/ 34.8 A
Max. output current	15A	20A	25A	30A	40A
THDv (@linear load)	<2%				

EFFICIENCY	3KW	3.6KW	5KW	6KW	8KW
Max. efficiency	>97.5%				
EU efficiency	>96.2%				

PROTECTION	3KW	3.6KW	5KW	6KW	8KW
DC reverse-polarity protection	Yes				
Ground fault monitoring	Yes				
Integrated AFCI (DC arc-fault circuit protection)	Yes <sup>(1)</sup>				
Protection class/Over voltage category	I/II				

GENERAL DATA	3KW	3.6KW	5KW	6KW	8KW
Dimensions (WxWxD)	406x560x205 mm				406x560x215 mm
Weight	24 kg				25.7 kg
Topology	High frequency isolation (for battery)				
Operating ambient temperature range	-40 ~ +60° C				
Ingress protection	IP66				
Cooling concept	Natural Convection				Intelligent redundant fan-cooling
Max. operation altitude	4000 m				
Grid connection standard	NRS 097-2-1, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA				
Safety/EMC standard	IEC/EN 62109-1/-2, EN 61000-6-2/-3				

FEATURES	3KW	3.6KW	5KW	6KW	8KW
DC connection	MC4 plug (PV port)/ Terminal Block (BAT port)				
AC connection	Terminal Block				
Display	LED +APP				
Communication	RS485, CAN, Optional: Wi-Fi, GPRS, LAN				



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