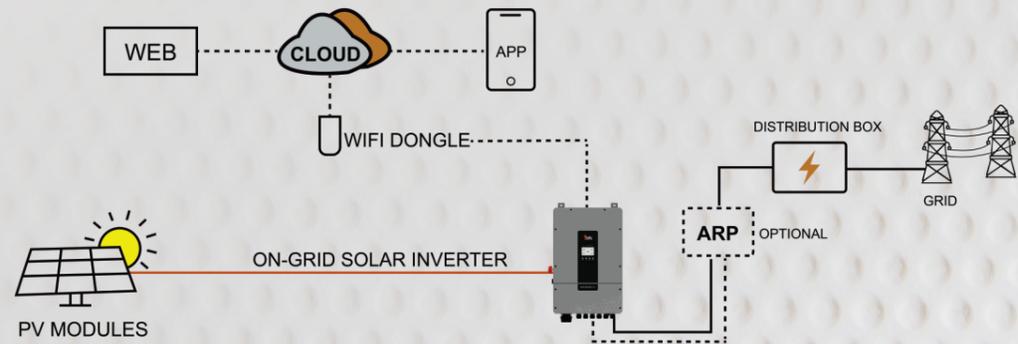




10KW 48V PV20000

8KW 48V PV16000

6KW 48V PV12000



### PRODUCT ADVANTAGES

- PV Access Power 200%
- 2MPPT Design
- MPPT Rated Current 2/28 A
- Short Circuit Current 2/42 A
- 10% Increased(s) Apparent Power
- Type II SPD On AC/DC Side
- Parallel Capability Upto 10 Units
- Smart Load Output
- Works On Single Source
- Grid Feeding Option
- Optional AFCI Protection
- BMS

# TECHNICAL SPECIFICATION

MODEL	ROCKS-10K-LV	ROCKS-8K-LV	ROCKS-6K-LV
<b>PV STRING INPUT</b>			
Max. PV Access Power (W)	20000	16000	12000
Max. PV Input Power (W)	16000	12800	9600
Max. PV Input Voltage (V)	510		
Start-up Voltage (V)	80		
MPPT Voltage Range (V)	90 – 425		
Rated PV Input Voltage (V)	360		
Max. Input Current per MPPT (A)	28 + 28		
Max. Short Circuit Current per MPPT (A)	42 + 42		
No. of MPPT Trackers / No. of Strings per MPPT Tracker	2 / 2 + 2		
<b>AC INPUT/OUTPUT</b>			
Rated AC Input/Output Active Power (W)	10000	8000	6000
Max AC Input/Output Apparent Power (VA)	11000	8800	6600
Rated AC Input Current (A)	45.5	36.4	27.3
Rated AC Output Current (A)	43.5	34.8	26.1
Max. AC Input Current (A)	50	40	30
Max. AC Output Current (A)	47.9	38.3	28.7
Max. Continuous AC Passthrough (grid to load) (A)	80	80	60
Peak Power (grid+inverter) (W)	200% rated power @60sec		
Power Factor Adjustment Range	0.8 leading to 0.8 lagging		
Rated Input/Output Voltage/Range (V)	220/230, 0.85Un~1.1Un		
Rated Input/Output Grid Frequency/Range (Hz)	50/45~55, 60/55~65		
Grid Connection Form	L+N+PE		
THDi	< 3%		
<b>BATTERY INPUT</b>			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range (V)	40 – 60		
Max. Charging Current (A)	210	190	135
Max. Discharging Current (A)	210	190	135
Charging Strategy for Lead-Acid battery	3 stages curve		
Charging Strategy for Li-ion Battery	Self-adaption to BMS		
Number of Battery Input	1		
Communication	CAN / RS485		
<b>EFFICIENCY</b>			
Max. Efficiency	97.6%		
Euro Efficiency	96.5%		
MPPT Efficiency	>99%		
Equipment Protection	S		
Surge Protection Level	TYPE II (DC), TYPE I (AC)		
<b>INTERFACE</b>			
Communication Interface	RS485 / CAN / Temperature		
Monitor Mode	WiFi / 4G+LAN (optional)		
<b>GENERAL</b>			
Operating Temperature Range (°C)	-25 to +60°C, >45°C Derating		
Permissible Ambient Humidity	5 to 95% (condensing)		
Permissible Altitude	< 3000m		
Ingress Protection	IP65		
Noise (dB)	< 45		
Inverter Topology	Transformerless for PV side / HF for battery side		
Over Voltage Category	OVC I (DC), OVC II (AC)		
Cabinet Size (W*H*D mm)	411*631*236	411*631*236	411*331*236
Weight (kg)	28.5		
Cooling Method	Smart Fan Cooling		
Warranty (Years)	5		
Standards	S		
Safety	IEC / EN 62109-1/-2		
Grid Monitoring	IEC61727, IEC62116, EN50549		
EMC Standard	IEC / EN 61000-6-1, IEC / EN 61000-6-3		