

- Generator connectivity with multiple input methods and automatic generator On/Off control
- Automatic UPS switching(<4ms)</p>
- Supports peak shaving control in both "self-use" and "generator" mode
- Up to 135A(5.0/6.0K) and 190A(8.0K) max charge/discharge current

- 6 customizable charge/discharge time settings
- 10 second 200% surge power backup overload capability
- Supports 1ph and 3ph flexible connection with max 36kW(5.0/6.0K) and 48kW(8.0K) in parallel

## Datasheet

Model	5.0L-1P-A	6.0L-1P-A	8.0L-1P-A	
Input Dc (PV side)				
Recommended max. PV power	8 kW	9.6 kW	12.8 kW	
Max. input voltage		600 V		
Rated voltage		300 V		
Start-up voltage		90 V		
MPPT voltage range		90 - 520 V		
Max. input current		16 A / 16 A	32A/20A	
Max. short circuit current		24 A / 24 A	36A/30A	
MPPT number/Max. input strings number  Battery		2/2	2/3	
Battery type		Li-ion		
Battery voltage range		40 - 60 V		
Max. charge / discharge power	5 kW	6 kW	8 kW	
Max. charge / discharge current	112 A	135 A	190 A	
Communication	1127	CAN/RS485	100 A	
Output AC (Grid side)		0/11/11/O+00		
Rated output power	5 kW	6 kW	8 kW	
Max. apparent output power	5.5 kVA	6.6 kVA	8.8 kVA	
Operation phase	0.5 RVA	1/N/PE	0.0 KVA	
Rated grid voltage		220 V/230 V		
Rated grid frequency		50 Hz / 60 Hz		
Rated grid output current	22.7 A / 21.7 A	27.3 A / 26.1 A	36.4 A / 34.8 A	
Max. output current	25 A	30 A	40 A	
Power factor	257	>0.99(0.8leading-0.8lagging)		
THDi		< 2%		
Input AC (Grid side)		~ 2 /0		
Input voltage range		187-253 V		
Max. input current	34.1 A	40 A	50 A	
·	34.1A	45-55 Hz/55-65 HZ	50 A	
Frequency range		43-33 112/33-03 112		
Output AC (Back-up)  Rated output power	5 kW	6kW	8 kW	
· ·	3 KVV	2 times of rated power, 10s	O KVV	
Max. apparent output power		2 times of rated power, ros <4ms		
Back-up switch time		1/N/PE, 220 V/230 V		
Rated output voltage		50 Hz/60 Hz		
Rated frequency  Max. output current	22.7 A	27.3 A	36.4 A	
THDv (@linear load)	22.1 A	<2%	30.4A	
Efficiency		~2 /0		
Max. efficiency		>97.5%		
EU efficiency		>96.2%		
Protection		>90.2%		
DC reverse-polarity protection		Yes		
Ground fault monitoring		Yes		
3				
Integrated AFCI (DC arc-fault circuit protection)		Yes(1) I /Π		
Protection class/Over voltage category		1/11		
General Data		440*598*205mm	437*675*215 mm	
Dimensions (W*H*D)				
Weight	L.	24kg 27kg High frequency isolation (for hatten)		
Topology Operating ambient temperature range		High frequency isolation (for battery)  - 40-60 °C		
Operating ambient temperature range		40-00 °C		
Ingress protection Cooling concept		Natural convection Intelligent redundant fan-coc		
Cooling concept  May operation altitude		4000M	intelligent redundant lan-o	
Max. operation altitude	NDC 007 0 4 IEO 00440		602 EN 60620 MEA DEA	
Grid connection standard		NRS 097-2-1, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA  NRS 097-2-11EC/EN 62109-1/-2,1EC/EN 61000-6-1/-2/-3/-4		
Safety/EMC standard	NK5 U97-2-11	EU/EN 02 109-1/-2, 1EU/EN 61	000-0-1/-2/-3/-4	
Features  DC connection	BAOA :-	Jug (DV port)/Torminal Dlast (D	AAT nort)	
DC connection	MC4 p	MC4 plug (PV port)/Terminal Block (BAT port)		
AC connection	Terminal Block			
Display		LED + APP  RS485, CAN, Optional: Wi-Fi, LAN		

