

# Ascet 5K - 120/1P2T2

PN: SIH12005L052ACCU0B

EAN: 6422956013202

## Specifications

<b>Efficiency</b>	
Max. Efficiency	97,3%
European Efficiency	96,8%
Max. Battery Efficiency	94,3%
<b>Input (PV)</b>	
MAX PV Power (W)	9000
Max. PV Voltage	550V
Max input current (input A/input B) (A)	15/15
Max short current (input A/input B) (A)	20/20
Start Operating voltage (V)	90
MPPT voltage range (V)	70-540
No. of MPPT trackers	2
String per MPP tracker	1
<b>Input (Bat)</b>	
Compatible battery type	2
Battery voltage range (V)	40-65
Max. charge/discharge current (A)	120/120
Max. charge/discharge power (W)	5000/5000
Lithium battery charge curve	Self-adaption to BMS
<b>Output (Grid)</b>	
Nominal AC output power (W)	5000
Max. AC output apparent power (VA)	5500
Max. AC output power (PF=1) (W)	5500
Max. AC output current (A)	25
Rated AC Voltage (V)	220
AC Voltage Range (V)	150-300 (adjustable)
Rated Grid Frequency (Hz)	50/60
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)



Superior Efficiency



High Reliability



Intelligent Maintenance

- Maximum efficiency 97.3%
- Max. Charge/Discharge Current 120A
- Reasonable energy control to increase the proportion of spontaneous use
- Natural cooling design
- Compatible with lead-acid batteries and lithium battery energy
- Remote configuration and upgrade
- Supports export power control




Grid connection	Single phase
AC frequency range (V)	45-55/55-65 (adjustable)
Power factor	>0,99@rated power (adjustable 0.8 LG - 0.8 LD)
THDI	<3%
<b>Output (Back up)</b>	
Nominal output voltage (V)	230
Nominal output frequency (Hz)	50/60
Nominal output power (W)	5000
Nominal output current (A)	21.7
Transfer time (ms)	10(typ) / 20(max)
THDV	<3% @100% R Load
<b>General</b>	
Max. Operating Altitude	4000m
Noise emission (dB)	<35
Ingress protection degree	IP65
Operating Temperature Range (°C)	-25 ~ 60
Relative Humidity Range	0-100%
Cooling concept	Natural Cooling
Mounting	Wall bracket
PV connection way	MC4/H4
Battery connection way	Dedicated DC connector
Generator connection way	Dedicated GEN connector
AC connection way (grid & back up)	Dedicated AC connector
<b>HMI &amp; COM</b>	
Display	LED+APP
Communication interface	WiFi + Smart Meter (included) Optional: GPRS, 4G, LAN
<b>Physical</b>	
Product dimensions	515 x 485 x 175 mm
Product weight	24.6 Kg



#### Protection

Protection category	Class 1
DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
DC reverse connection	Support
Surge Arrester	DC type III, AC type III
Insulation detection	Support
Leakage current protection	Support
PV overvoltage category	II
AC overvoltage category	III

#### Logistics

	Carton Box Size (LxWxH)	657 x 622 x 314 mm
	Pieces in the Carton Box	1
	Net & Gross weight / CTN	24.6 kg / 30.5 Kg

#### Certificates

**RoHS**  
2011/65/EU



<b>Safety</b>	VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1, C10/11, G99, CEI 0-21, NRS 097-2-1, RD 1699/661/413, NTS
<b>Grid</b>	VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1

