

Ascet 5K - 120/1P2T2

PN: SIH12005L052ACCU0B

EAN: 6422956013202

Specifications

Efficiency

Max. Efficiency	97,3%
European Efficiency	94,0 %

Input (PV)

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)	70-520

No. of MPPT trackers	2
String per MPP tracker	1

Input (Bat)

Compatible battery type	2
Nominal battery voltage (V)	48
Battery voltage range (V)	40-60
Max. charge/discharge current (A)	120/120
Max. charge/discharge power (W)	5000/5000
Lithium battery charge curve	Self-adaption to BMS

Output (Grid)

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



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
- BMS system to ensure high battery life
- Natural cooling design
- Compatible with lead-acid batteries and lithium battery energy




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%
Output (Back up)	
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
General	
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
AC connection way (grid & back up)	Dedicated AC connector
HMI & COM	
Display	LED+APP
Communication interface	WiFi + Smart Meter (included) Optional: GPRS, 4G, LAN
Physical	
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 

Safety 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

Grid VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1

