Ascet 10K-50/3P2T3

PN: SIH32010H113ACCU0B

EAN: 6422956014261

Specifications

Efficiency	
Max. Efficiency	97,8%
European Efficiency	97,0%
Max. Battery Efficiency	98.4%
Input (PV)	
MAX PV Power (W)	15.000
Max. PV Voltage	1000V
Max input current (input A/input B) (A)	20/30
Max short current (input A/input B) (A)	30/40
Start Operating voltage (V)	150V
MPPT voltage range (V)	160-950
No. of MPPT trackers	2
No. of Strings	3 (1/2)
Input (Bat)	
Compatible batterty type	Lithium-ion / Lead-acid
Battery voltage range (V)	120-600
Max. charge/discharge current (A)	50A/50A
Max. charge/discharge power (W)	15.000 / 11.300
Lithium battery charge curve	Self-adaption to BMS
Output (Grid)	
Nominal AC output power (W)	10.000
Max. AC output apparent power (VA)	11.000
Max. AC output power (PF=1) (W)	11.000
Max. AC output current (A)	3*16.7A
Nominal Grid Voltage	380V/400V/415V
AC Voltage Range (V)	260-520 (adjustable)
Rated Grid Frequency (Hz)	50/60
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)
Max Single Phase Power	5000W



Superior Efficiency

High Reliability

Intelligent Maintenance

- Maximum efficiency 98.4%
- Fully unbalanced output phases
- Reasonable energy control to increase the proportion of spontaneous use
- Natural cooling design
- Compatible with lead-acid batteries and lithium battery energy
- IP65 protection rating
- Maximum 15kW PV input power

Grid connection	Three Phase, 3Ph + N + PE
Power factor	> 0,99 @rated power (adjustable 0.8 LG - 0.8 LD)
THDI	<3%
Output (Back up)	
Nominal Output Voltage	380V/400V/415V
Nominal output frequency (Hz)	50/60
Nominal output power (W)	10.000
Nominal output current (A)	3*15.2A
Transfer time (ms)	<10
THDV	<3% @100% R Load
General	
Max. Operating Altitude	4000m (>2000 derating)
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	Bluetooth, App , LED, Optional: LCD
Communication interface	RS485/CAN (BMS), RS485, RS485 (For meter), DRM, 2x DI (1 RMO), 2x DO, WIFI Module Optional: GPRS / LAN
Physical	
Product dimensions	580 x 560 x 218 mm
Product weight	32.85 Kg



Protection	
Protection category	Class 1
DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
DC/AC Overvoltage Protection	DC Type II, AC Type III
DC reverse connection	Support
Surge Arrester	DC type II, AC type II
Insulation detection	Support
Leakage current protection	Support
GFCI	Support
AC Short circuit protection	Support
AFCI protection	Included

Logistics

Carton Box Size (LxWxH)	675 x 606 x 321 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	32.85 / 40.5 kg

Certificates

RoHS 2011/65/EU CE

Safety	IEC 62109-1, IEC 62109-2
Grid	VDE 4105, EN 50549-1, PPDS, RD 1699/661/647/413, UNE 217002, AS 4777.2, C10/11, G98/G100, IEC 61727/62116