Ascet 6K-50/3P2T3

PN: SIH32006H072ACCU0B

EAN: 6422956014230



Superior Efficiency

High Reliability

Intelligent Maintenance

- Maximum efficiency 98.2%
- 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 9kW PV input power
- Remote configuration and upgrade

Specifications

Efficiency	
Max. Efficiency	98.2%
European Efficiency	97.2%
Max. Battery Efficiency	98.0%
Input (PV)	
MAX PV Power (W)	9000
Max. PV Voltage	1000V
Max input current (input A/input B) (A)	15/15
Max short current (input A/input B) (A)	20/20
Start Operating voltage (V)	150
MPPT voltage range (V)	160-950
No. of MPPT trackers	2
No. of Strings	2 (1/1)
Input (Bat)	
Compatible batterty type	Lithium-ion / Lead-acid
Battery voltage range (V)	150-600
Max. charge/discharge current (A)	25/25
Max. charge/discharge power (W)	9.000 / 7.000
Lithium battery charge curve	Self-adaption to BMS
Output (Grid)	
Nominal AC output power (W)	6.000
Max. AC output apparent power (VA)	6.600
Max. AC output power (PF=1) (W)	6.600
Max. AC output current (A)	3*10A
Nominal Grid Voltage	380V/400V/415V, 3W+N+PE
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	3000W

Grid connection	Three Phase, 3Ph + N + PE
Power factor	> 0,99 @rated power (adjustable 0.8 LD - 0.8 LG)
THDI	<3%
Output (Back up)	
Nominal Output Voltage	380V/400V/415V
Nominal output frequency (Hz)	50/60
Nominal output power (W)	6.000
Nominal output current (A)	3*9.1A
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	560 x 218 x 580 mm
Product weight	30.85 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)	695 x 315 x 630 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	30.85 / 38.50 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