



Device Configuration Parameters

Device Name	Inverter(COM1-1)
Plant	Allamanda 1 CJP
Period	2025-12-23

Device Information

Device Name	Inverter(COM1-1)
Model	SUN2000-50KTL-M3
Protocol Version	P1.15-D5.0
Software Version	V200R023C00SPC115
SN	6T2439056862
Superior Equipment	Logger-102427665839
Networking mode	DIST_SMART_LOGGER
Type	String Inverter

Grid Parameter

Item	Range	Value	Unit
Grid code	--	TAI-PEA	--
Voltage level (V)	[0~1000]	220	V
Frequency level (Hz)	[50~60]	50	Hz
Output mode	--	Three-phase four-wire system	--
Isolation configuration	--	Input not grounded, without a transformer	--
Automatic startup upon grid recovery	--	Enable	--
On-grid recovery time (s)	[0~7200]	60	s
Quick startup for short-time grid disconnection	--	Disable	--
Grid reconnection voltage upper limit (V)	[220.0~299.2]	242.0	V
Grid reconnection voltage lower limit (V)	[99.0~220.0]	198.0	V
Grid reconnection frequency upper limit (Hz)	[50.00~60.00]	52.00	Hz
Grid reconnection frequency lower limit (Hz)	[40.00~50.00]	47.00	Hz

Protection Parameters

Item	Range	Value	Unit
Insulation resistance protection threshold (MΩ)	[0.020~1.500]	0.033	MΩ
Active island protection	--	Enable	--
Unbalance voltage protection threshold (%)	[0.0~50.0]	50.0	%
Phase angle offset protection	--	Disable	--
10 minute OV protection threshold (V)	[220.0~330.0]	275.0	V
10 minute OV protection time (ms)	[50~18000000]	200	ms
Level-1 OV protection threshold (V)	[220.0~330.0]	242.0	V

Item	Range	Value	Unit
Level-1 OV protection time (ms)	[20~18000000]	1000	ms
Level-2 OV protection threshold (V)	[220.0~330.0]	264.0	V
Level-2 OV protection time (ms)	[20~18000000]	160	ms
Level-1 UV protection threshold (V)	[0.0~220.0]	198.0	V
Level-1 UV protection time (ms)	[20~18000000]	2000	ms
Level-2 UV protection threshold (V)	[0.0~220.0]	110.0	V
Level-2 UV protection time (ms)	[20~18000000]	300	ms
Level-1 OF protection threshold (Hz)	[50.00~60.00]	52.00	Hz
Level-1 OF protection time (ms)	[50~18000000]	100	ms
Level-1 UF protection threshold (Hz)	[40.00~50.00]	47.00	Hz
Level-1 UF protection time (ms)	[50~18000000]	100	ms

Feature Parameter

Item	Range	Value	Unit
Shutdown duration during communication failure (min)	[1~120]	30	min
Automatic shutdown upon communication interruption	--	Disable	--
Communication disconnection fail-safe	--	Disable	--
Soft start time (s)	[1~1800]	20	s
Shutdown gradient (%/s)	[0.100~2500.000]	50.000	%/s
Shutdown at 0% power limit	--	Disable	--
Delayed upgrade	--	Disable	--
MPPT multi-peak scanning	--	Disable	--
RCD enhancement	--	Disable	--
AFCI	--	Enable	--
PV module type	--	Crystalline silicon	--
String connection mode	--	Automatic detection	--
Power quality optimization mode	--	Enable	--
Abnormal grounding shutdown	--	Enable	--
Nighttime PID protection	--	Disable	--
Automatic recovery of PV string-to-ground short circuit protection	--	Disable	--
PID operation mode	--	Prohibited	--
Microgrid adaptability	--	Disable	--
HVRT	--	Disable	--
LVRT	--	Disable	--
Overfrequency derating	--	Disable	--
Dry contact function	--	NC	--

Power Adjustment

Item	Range	Value	Unit
Remote power schedule	--	Enable	--
Schedule instruction valid duration (s)	[0~86400]	0	s
Active power change gradient (%/s)	[0.010~5000.000]	125.000	%/s
Fixed active power derating (W)	[0~55000]	55000	W
Active power percentage derating (%)	[-100.0~100.0]	100.0	%
Reactive power change gradient (%/s)	[0.100~5000.000]	125.000	%/s
Reactive power compensation (PF)	(-1.000~ -0.800] U [0.800~1.000]	1.000	--
Reactive power compensation (Q/S)	[-1.000~1.000]	0.000	--
Reactive power curve adjustment	--	Disabled	--
Max. active power (kW)	[0.100~55.000]	55.000	kW
Apparent power baseline (kVA)	[55.000~55.000]	55.000	kVA
Active power baseline (kW)	[0.100~55.000]	55.000	kW

String Access Detection

Item	Range	Value	Unit
String connection detection	--	Disable	--

Device maintenance

Item	Range	Value	Unit
Correction of lifetime energy(kWh)	[0.00~42949600.00]	--	kWh
WLAN wakeup	--	Close	--